SIGACCESS FY'06 Annual Report
July 2005 - June 2006
Submitted by: Vicki L. Hanson, SIGACCESS Chair

This has been an important year of growth for SIGACCESS. The ASSETS conference attracted the largest number of attendees in the conference history and membership in SIGACCESS has been growing. We have worked to get a Special Issue of an ACM journal devoted to Web Accessibility and have expanded dissemination of research and events in the field through our newsletter and website, as well and through partnerships in key activities.

2005 Business Meeting
A SIGACCESS Business Meeting was held at the ASSETS conference in October, 2005. The meeting was well attended. Attendees were updated on SIG activities and discussed activities that the SIG should consider. There was a general consensus that a focus on training young researchers in the area was important. To meet that goal, student activities at ASSETS were encouraged. In particular, it was agreed that it would be of interest to have on ACM Research Competition event at the 2006 conference. In addition, there was considerable interest in having an ACM quality journal on the topic of accessibility.

ASSETS Conference Updates
The highlight of our year was the ASSETS conference. ASSETS'05, held in Baltimore, Maryland, was the first time the conference had been held on an annual basis. Surpassing expectations, not only were there sufficient submissions to provide excellent technical sessions, but conference attendance was the highest in ASSETS history. We were encouraged with this success and look forward to ASSETS'06 in Portland, Oregon, October 23 – 25.

Two ACM Best Paper Awards were presented:

SIGACCESS Best Paper Award: Matt Huenerfauth, University of Pennsylvania, "Representing Coordination and Non-Coordination in an American Sign Language Animation"

SIGACCESS Best Student Paper Award: Stephen E. Krufka and Kenneth E. Barner, University of Delaware, "Automatic Production of Tactile Graphics from Scalable Vector Graphics"

For the second year, the conference featured an NSF sponsored Doctoral Consortium (see http://www.acm.org/sigaccess/newsletter/jan06/Jan06_03.php). This consortium allowed advanced doctoral students to present their dissertation topics and receive feedback. It was a pleasure to notice that some of the Doctoral Consortium students from ASSETS'04 returned to the conference and that Matt Huenerfauth, who received the award for Best Doctoral Consortium paper in 2004, received the SIGACCESS Best Paper Award this year. The Best Doctoral Consortium paper for ASSETS'05 was awarded to Andrea Tartaro from Northwestern University for her work on "Storytelling with a Virtual Peer as an Intervention for Children With Autism". She presented her work at the closing session of the conference.

Publications
Under the editorship of Simeon Keates, our newsletter continues to be up to date and is available on the SIGACCESS website: http://www.acm.org/sigaccess/newsletter/ . An interesting feature that we hope to continue is the highlighting of research and interests of current SIGACCESS members. The first installment featuring information about members is available in the June, 2006 newsletter.

Also available on the website is the monthly 'left field' column by Simon Harper (see http://www.acm.org/sigaccess/leftfield/). This column brings up topics and issues in accessibility that arise from ACM publications that might be out of the mainstream of what SIGACCESS members typically read.

Responding to member interest for an ACM journal devoted on research on accessibility topics, SIGACCESS has been working to establish such a journal. The first step was a Special Issue of the ACM Transactions on Computer-Human Interaction (TOCHI) on the topic of Web Accessibility.   There was an overwhelming number of submissions for this Special Issue, for which only a few papers could be selected. Given the demonstrated need for an outlet for high-quality research in this area, the SIGACCESS officers are continuing to work with ACM to establish a journal that would serve the needs of this community.

Other Activities

Recently, SIGACCESS partnered with National Alliance for Access to Computing Careers (AccessComputing) for the purpose of increasing the representation of people with disabilities in a wide range of computing careers, including those in computer science, information systems, software development, computer engineering, systems management and maintenance, and teaching. More information about AccessComputing can be found at http://www.acm.org/sigaccess/newsletter/june06/june06_01.php

SIGACCESS provided financial support for the International Cross Disciplinary Workshop on Web Accessibility 2006 (W4A) at the WWW Conference in Edinburgh this past May (see http://www.w4a.info/2006/). The workshop was cross-disciplinary, focusing on the topic of 'Building the Mobile Web: Rediscovering Accessibility'.

SIGACT FY'06 Annual Report
July 2005 - June 2006
Submitted by: Richard E. Ladner, SIGACT Chair

1. Awards

- Gödel Prize: Manindra Agrawal, Neeraj Kayal, and Nitin Saxena for their paper "PRIMES is in P" in the *Annals of Mathematics* 160, 1-13, 2004. The Gödel Prize is awarded jointly by SIGACT and EATCS.

- Donald E. Knuth Prize: Mihalis Yannakakis for his seminal and prolific research in computational complexity theory, database theory, computer-aided verification and testing, and algorithmic graph theory. The Knuth Prize is given jointly by SIGACT and IEEE Computer Society TCMFC.

- Paris Kanellakis Theory and Practice Award: Gerard J. Holzmann, Robert P. Kurshan, Moshe Y. Vardi, and Pierre Wolper recognizing their development of automata-theoretic techniques for reactive-systems verification, and the practical realization of powerful formal-verification tools based on these techniques. This award is an ACM award sponsored in part by SIGACT.

- Edsger W. Dijkstra Prize in Distributed Computing: Marshal Pease, Robert Shostak, and Leslie Lamport for their paper "Reaching agreement in the presence of faults" in *Journal of the ACM* 27 (2): 228-234, 1980. The Dijkstra Prize is given jointly by SIGACT and SIGOPS.

- ACM-SIGACT Distinguished Service Award: Tom Leighton for his exemplary work as Chair of SIGACT, Editorships, Program Chairships and the establishment of permanent endowments for SIGACT awards.

- Best Paper Award at STOC 2006: Irit Dinur for "The PCP Theorem via Gap Amplification".

- SIGACT Danny Lewin Best Student Paper Award at STOC 2006: Anup Rao and Jakob Nordstrom for "Extractors for a Constant Number of Polynomial Min-Entropy Independent Sources" (Anup Rao) and "Narrow Proofs May Be Spacious: Separating Space and Width in Resolution" (Jakob Nordstrom).

2. Significant papers on new areas published in proceedings

These are summaries that were prepared by Madhu Sudan and Jon Kleinberg for a news release. The intention is to make these results accessible to science oriented readers.

Venkatesan Guruswawmi and Atri Rudra. Explicit Capacity-Achieving List-Decodable Codes or Decoding up to the Singleton Bound using Folded Reed-Solomon Codes.

The authors present a new approach for correcting errors in data, an inevitable concern in any system for communication or storage of information. For example in Internet communication it is standard to assume some fixed percentage of the packets that are transmitted will be lost or corrupted. A fundamental challenge to the designers of communication systems is to build error-correcting mechanisms, known as ``codes'', which can add enough redundancy so as to automatically recover from the errors.

A designer of error-correcting codes must deal with questions such as the following: if five percent of packets are corrupted during transmission, how much redundancy should one add? Classical research in the field of Information Theory (dating back to the work of Claude Shannon in 1948) shows that if errors are introduced at random, then the data should have five percent redundancy. But what if the errors are not random, and instead are created maliciously by an attacker? In their breakthrough work, "Capacity-achieving codes for list-decoding", Guruswami and Rudra extend the classical results to handle the case of malicious errors as well. As part of a general result, they give codes that, for

example, require only five percent redundancy and come with efficient algorithms to recover from five percent error. Enhancing the practical interest in their result is the fact that their new codes are virtually the ones already in use in many storage devices (CDs, DVDs etc.). The new results suggest that if the data were laid out more carefully, then we may be able to recover from more errors than previously suspected: almost all earlier work suggested that five percent redundancy could protect us from at most 2.5% error.

Irit Dinur. The PCP Theorem by Gap Amplification.

The best-paper award at the Symposium went to another paper dealing with errors, but now in logic. When dealing with mathematical derivations, proofs, or any other form of reasoning, even a single error can often be catastrophic. Indeed it is possible to provide "proofs" of any mathematical statement (true or false) that have only one error. Reviewers of mathematical papers are only too familiar with this state of affairs, having seen thousands of incorrect proofs of famous mathematical conjectures. Theoretical computer scientists have long sought ways to make the reviewers' task easier, by asking: Is there a format in which proofs can be written, that amplifies the error? (So a "random" scan would reveal the error!)

While various versions of this question have found positive answers in the past, Irit Dinur's new work gives a stunning positive answer to this quest. She shows that if we allow the proofs to be slightly longer (by only a constant factor), then the probability of detecting an error can be amplified by a constant factor. So if reviewers of a mathematical proof want to make their job easier, they can simply ask for a longer proof and then errors, if any, will be more evident. Building on this result, Dinur derives a new, vastly simpler, proof of a previously acclaimed result called the "PCP Theorem". The PCP theorem has long served as a beacon to the field of approximation algorithms, a field whose goal is to design efficient algorithms to solve computational problems near-optimally.

The Complexity of Computing a Nash Equilibrium. Constantinos Daskalakis, Paul Goldberg, and Christos Papadimitriou.

The authors present new results establishing the computational difficulty of a classical problem in the study of strategic interaction. When economists and political scientists study multiple parties in competition with one another (for example, in a negotiation, in a political campaign, or in warfare), they often analyze the situation using the concept of a "Nash equilibrium": a collection of strategies from which no party has the incentive to deviate. This notion, proposed originally by John Nash (the subject of the biography and movie "A Beautiful Mind") has been a valuable research tool for half a century, but a long-standing puzzle has surrounded it: when presented with the "rules" for one of these competitions, how difficult is it to actually compute a Nash equilibrium?

Daskalakis, Goldberg, and Papadimitriou provide new, powerful evidence that the problem is in fact computationally very hard, even when the number of participants is very small. In particular, Nash originally used sophisticated tools from the mathematical subject of topology to establish his results about equilibrium; in their new work, the researchers establish a connection in the opposite direction, showing that computing
an equilibrium is in fact as difficult as solving certain of the topological problems on which Nash based his original analysis. These new results on computational difficulty provide an important contribution to recent reconsideration of the role of Nash equilibrium: if it is hard for participants in even modest-sized competitive situations to even determine an equilibrium, then it should not be surprising when they in fact behave in ways not predicted by the Nash equilibrium model.

3. Significant programs that provided a springboard for further technical efforts

The new *ACM Transactions on Algorithms* was launched this past year. Although SIGACT itself was not directly involved in the creation of the new journal, its leadership and members were. This new journal provides a stable and affordable publication venue for a large segment of SIGACT members.

4. Innovative programs which provide service to our technical community

The TCS Funding Committee sponsored by SIGACT has been very active this past year. The committee meets by conference call monthly and has developed and executed action plans to help

increase the funding base for theory of computation at the NSF. Examples of actions are two NSF-sponsored workshops on the Theory of Networked Computing leading to the possible creation of a new program within the NSF. In addition, a brochure targeted at policy makers in business and government is being created. The brochure will explain the exciting future directions in the field.

SIGACT, with the help of ACM headquarters, has produced four press releases for the Gödel and Knuth Prizes and for the SODA and STOC conferences. This effort is intended to make our research more accessible to the general public.

SIGACT and SIGOPS asked and received approval from the ACM Awards Committee to add EATCS as a co-sponsor of the Edsger W. Dijkstra Prize in Distributed Computing and double the award from $1,000 to $2,000. The added funding comes from EATCS.

SIGACT continues to support student attendance at SODA, FOCS, and STOC by funding Student Best Paper Awards, travel, lunches, and reduced registration fees. This helps ensure that the maximum number of students can attend these conferences.

There are plans to participate in the ACM Student Research Competition at the undergraduate level. At FCRC 2007, SIGACT will sponsor an undergraduate poster competition. Involving undergraduate students at our conference is new to SIGACT, and we hope to interest more undergraduates to pursue theoretical research by involving them more in our conference.

Improvements are being made to the SIGACT sponsored Automated Conference Submission System. The SIGACT server at the University of Nevada, Las Vegas hosts the system that is used by a number of theory conferences around the world.

5. Summary of key issues that the membership of the SIGACT will have to deal with in the next 2-3 years

As was mentioned last year, the key issue for our community is funding for research. The TCS Funding Committee is tackling this problem directly.

Related to the funding issue is the image of theoretical computer science within computer science, the science community as a whole, and the public. Articulating the importance of theoretical computer science research is essential so that these outside communities understand and appreciate what we are all about.

There is also concern about the academic job market which is affected by the lack of growth in computer science majors.

The rising costs of proceedings and journals and the move toward electronic publication is of concern. University libraries are cancelling subscriptions to some journals completely and are moving toward electronic, non-paper, access to save money.1. Awards that were given out
2. Significant papers on new areas that were published in proceedings
3. Significant programs that provided a springboard for further technical efforts
4. Innovative programs which provide service to some part of your technical community; and
5. A very brief summary for the key issues that the membership of that SIG will have to deal with in the next 2-3 years.
6. Updates on volunteers

SIGAda FY'06 Annual Report
July 2005 - June 2006
Submitted by: John McCormick, SIGAda Chair

SIGAda Awards

Started in 1994, the ACM SIGAda Awards recognize individuals and organizations that have made outstanding contributions to the Ada community and to SIGAda. The two categories of awards are:

1. Outstanding Ada Community Contribution Award for broad, lasting contributions to Ada technology & usage.
2. ACM SIGAda Distinguished Service Award for exceptional contributions to SIGAda activities & products.

This year the Outstanding Ada Community Contribution Award was awarded to two individuals:

Matthew Heaney
Pascal Leroy

This year the ACM SIGAda Distinguished Service Award was awarded to two individuals

Eugene Bingue
Rush Kester

SIGAda also makes the Outstanding Student Paper Award at its annual conference. At SIGAda 2005 this award was presented to Knut Pedersen for his paper titled "AspectAda - Aspect Oriented Programming for Ada 95".

Significant Papers published in proceedings

"Modeling SPARK Systems with UML" by Xavier Sautejeau. UML is becoming more and more important in the design and development of software systems (and systems in general), and SPARK is one of the major success stories of Ada in the past few years.

"Orchestrating Shots for the National Ignition Facility" by David G. Mathisen and Robert W. Carey. It demonstrates that the Ada language can definitely be used in the development of a hard real-time critical application.

Significant Programs that provided a springboard for further technical efforts
----

A formal liaison exists between SIGAda and WG9. ISO/IEC JTC1/SC22 WG9 is that body of international representatives responsible for the maintenance and evolution of the Ada International Standard. The National Bodies represented on WG9 are Canada, France, Germany, Italy, Japan, Switzerland, the United Kingdom, and the United States.

In June 2006 WG9 completed the technical work on the new Ada 2005 standard and its steady progress towards formal approval by ISO, the International Organization for Standardization. The

proposed amendment that creates the Ada 2005 standard has since been submitted to formal balloting at the next ISO level, the Standards Committee SC 22, which deals with all Programming Languages. The formal ballot at SC 22 level is now well underway and is due to complete by September 1st, 2006. After approval at SC level, the proposed amendment needs to pass a final balloting stage at the highest level of authority within ISO, the Joint Technical Committee JTC 1, which is in charge of the whole Information Technology sector. The final balloting stage at JTC 1 level will commence straight after completion of the SC 22 ballot and is expected to complete in November 2006.

In conjunction with our new role as Category C Liaison with WG9, SIGAda has initiated a program to manage Ada Application Program Interfaces (APIs). Management of APIs could be an important step towards the eventual standardization of APIs through ISO/IEC JTC 1/SC22 WG9. The intent is that Ada-Europe, SIGAda, and WG9 can work together to provide a valuable service to the Ada community for managing Ada bindings to APIs. The revised plan is significantly improved and available on line from the SIGAda Home Page for the API Working Group at http://www.acm.org/sigada/wg/apiwg/. Mr. Geoff Smith of IBM has volunteered to lead this effort. APIWG was chartered as part of this plan.

Innovative Programs which provide service to some part of our technical community
----

Since 1994 SIGAda has conducted an "Ada Awareness Initiative". Its centerpiece has been our SIGAda professional booth display unit in exhibition halls at important software engineering conferences. This lets folks know that Ada is very much alive and a sound part of any software engineering effort having real-time, high integrity, high-assurance, and highly distributed requirements. This year we exhibited at two conferences. Via this exhibiting, SIGAda sustains Ada visibility ("name recognition"), provides various Ada-advocacy materials and makes available Ada experts (our booth staff volunteers) who can intelligently answer questions, provide pointers and help, and debunk the misinformation about Ada that many attendees at these shows have. This program has been extremely successful and viewed as a highly important thrust by the SIGAda membership. SIGAda graciously acknowledges and thanks the Ada Resource Association (ARA), a consortium of Ada vendors, for their financial support of SIGAda's Ada Awareness Initiative and our booth activities.

Summary of key issues to deal with in the next 2-3 years

Although our retention rate is among the highest of all ACM SIGs, our membership numbers continue to decline. While we saw more young people presenting papers at our conference this year, the "graying" of SIGAda is a potential problem for the vitality of the organization. We need to find some way to encourage these people to participate in the SIGAda organization.

While gender imbalances are common in the computing disciplines, SIGAda seems to have a greater imbalance than other areas.

We need to increase the proportion of SIGAda members who actively participate in our conference and journal.

SIGAPL FY'06 Annual Report
July 2005 - June 2006
Submitted by: Antonio Annibali, SIGAPL Chair 2005-2007

Last Year:

* Executive summary of SIGAPL activities of the last year:
- New website
- The newsletter, Quote Quad, is now issued again on regular basis, beginning in March 2006 (2 issues).
- Membership is stable in comparison with 2005

* Comments
Following the decision of the SIG Board to put the SIGAPL in transition a number of concrete actions have been undertaken in the first semester of 2006:

A Committee for overcoming the transition has been nominated.

In line with the program of our SIG some concrete actions have been done: first of all a letter to all the members has been circulated in order to provide an update about the ongoing situation and to strengthen the sense of membership.
The SIGAPL web site has been renewed by making available more information and contents: the Waterloo APL archives and a new software library will be installed on the web site.
A web survey will be conducted to determine what the members expect from SIGAPL and this will be useful for the SIGAPL marketing in order to attract new members.

* The future
As mentioned in the 2005 report we are working hard to restart this group with a unique objective: Quality.
A monthly newsletter will be distributed among members to keep them updated on recent developments and news.
A joint conference with Array Programming Language companies will be organized and I take the occasion to launch the proposal of planning it in Roma during summer 2007 having in mind the extraordinary experience of APL '98 with 30 papers presented and more than 200 delegates.
The idea of the joint conference drive us to the other important aspect of strengthening the SIGAPL position as an organization that sponsors the use of different array programming languages, including APL, J, K, Matlab, Gauss, and A+ etc. This would enable us to keep a close relationship with the world of business without forgetting the strong research roots of APL.

Finally call for papers for the special issue on Ken Iverson will be launched soon and we plan to fund the Ken Iverson award for 2007.

* Conclusion
A lot of hard work is still needed. My thought is that we are on the way to restart SIGAPL itself and, more in general, for the computational world community.

SIGAPP FY'06 Annual Report
July 2005-June 2006
Submitted by: Barrett R. Bryant, SIGAPP Chair

The SIGAPP mission is to further the interests of the computing professionals engaged in the development of new computing applications and applications areas and the transfer of computing technology to new problem domains.

SIGAPP Officers

Chair - Barrett R. Bryant, University of Alabama at Birmingham, USA
Vice Chair – Sung Shin, South Dakota State University, USA
Secretary – Chang-Hyun Jo, California State University-Fullerton, USA
Treasurer - Ronaldo P. Menezes, Florida Institute of Technology, USA
Web Master - Hisham Haddad, Kennesaw State University, USA
ACM Program Coordinator, Irene Frawley, ACM HQ

Status of SIGAPP

The main event that took place within SIGAPP over the past year was the formal review of viability by the ACM SGB. As SIGAPP had been in transition, it was a major milestone to be found viable as a full-service SIG for the next 4 years.

Our SIG's main conference is the Symposium on Applied Computing (SAC) and this year's SAC was very successful. More details about SAC will follow in the next section. We also supported six additional conferences with in-cooperation status, namely the SIGAda 2005 (ACM SIGAda Annual International Conference), EATIS 2006 (Euro-American Conference on Telematics and Information Systems), CBMS 2006 (IEEE Symposium on Computer-Based Medical Systems), PPPJ 2006 (Principles and Practices of Programming in Java), CaSTA 2006 (Canadian Symposium on Text Analysis), and ACMSE 2006 (44th ACM Southeast Conference), and will continue support additional conferences in the coming year.

Last year we began planning for an ACM Transactions on Applied Computing, a refereed publication which would serve as a publication outlet for papers from our SIG's members. This has gotten off to a slower start than expected but we are still hopeful to have a proposal to submit to ACM by Fall 2006.

In 2006, an award for Distinguished Service to SAC was awarded to Hisham Haddad. This award had been established some time ago but was first granted in 2005 and is now planned as an annual event, with an awards committee now firmly in place. The Student Travel Award Program continues to be successful in assisting SIGAPP student members in attending conferences sponsored by or in-cooperation with SIGAPP. 12 students were granted awards to attend SAC 2006, including 3 from North America, 1 from South America and 4 from Asia. This was less than last year since there were more international awards than last year (in this case, from outside Europe, as the conference was held in France). We have increased the budget for these awards for 2007.

The current membership stands at 348, the fourth consecutive year membership has increased. The proposed efforts to establish a refereed publication on applied computing will potentially enlarge this membership, which now primarily consists of those who attend SAC.

SIGAPP's and SAC's strength and uniqueness among ACM SIGs continues to be the opportunity for scientific diversity and crosscutting multiple disciplines within the ACM community. The officers look forward to continue working with the ACM SGB to further develop the SIG by increasing membership and developing the new transactions.

Status of SAC

SAC 2006 was held in Dijon, France, April 23-27, 2006, hosted by the University of Bourgogne. Thanks to a great organizing committee, it was an extremely successful symposium with the most number of submissions, accepted papers and posters ever. New tracks included Advances in Spatial and Image-based Information Systems, Computer Ethics and Human Values, Computer Forensics, Geometric Computing and Reasoning, Model Transformation, and More Accurate Computation: Methods and Software. The number of SAC papers submitted was 921 in 38 tracks with 300 papers accepted based upon extensive Track reviews, for a 33% ratio. The poster session featured 60 posters.

SAC 2007 will be held in Seoul, Korea, March 11-15, 2007, and will be hosted by Seoul National University and Suwon University. The web site http://www.acm.org/conferences/sac/sac2007 has further details such as symposium committee, technical tracks, and track chairs. SAC 2007 marks not only a departure from the last few years' practice of alternating between the U. S. and Europe, but also will be the first time SAC has been held in Asia.

SAC 2008 is being planned for Fortaleza, Brazil, which will be the first time SAC has been held in South America.

Summary

1. Awards that were given out
a. Distinguished Service to SAC – Hisham Haddad
b. Student Travel Awards – 12 awards granted, totaling $5,200

2. Significant papers on new areas that were published in proceedings - new tracks in SAC 2006 on Advances in Spatial and Image-based Information Systems, Computer Ethics and Human Values, Computer Forensics, Geometric Computing and Reasoning, Model Transformation, and More Accurate Computation: Methods and Software

3. Significant programs that provided a springboard for further technical efforts – finalizing plans to hold SAC 2007 in Asia and SAC 2008 in South America, each continent for the first time, to further develop participation from researchers in those regions of the world

4. Innovative programs which provide service to some part of your technical community – expansion of Student Travel Award Program for SIGAPP student members

5 A very brief summary for the key issues that the membership of that SIG will have to deal with in the next 2-3 years – continuation of awards and development of a refereed journal in Applied Computing

SIGARCH FY'06 Annual Report
July 2005- June 2006
Submitted by: Norm Jouppi, SIGARCH Chair

Overview

The primary mission of SIGARCH continues to be the forum where researchers and practitioners of computer architecture can exchange ideas. SIGARCH sponsors or cosponsors the premier conferences in the field as well as a number of workshops. It publishes a quarterly newsletter and the proceedings of several conferences. It is financially strong with a fund balance of over one million dollars. The SIGARCH bylaws are available online at http://www.acm.org/sigs/bylaws/arch_bylaws.html

Officers and Directors

The most recent SIGARCH election was held in the spring of 2003. Norm Jouppi of HP currently serves as SIGARCH Chair, with Margaret Martonosi of Princeton as Vice Chair and Matt Farrens of UC Davis as Secretary/Treasurer. SIGARCH has a four member Board of Directors, which currently consist of Alan Berenbaum, Joel Emer, Bill Dally, and Mark Hill.   Alan Berenbaum also serves as Past Chair. In addition to these elected positions, Doug DeGroot serves as the Editor of the SIGARCH newsletter Computer Architecture News, and Doug Burger serves as Information Director, providing SIGARCH information online. The current slate of officers and directors has unanimously agreed to accept the optional 2-year term extension, as approved by the ACM SIG Governing Board Executive Committee. This means the term of the current officers and directors will expire in June 2007.

Awards

The Eckert-Mauchly Award, cosponsored by the IEEE Computer Society, is the most prestigious award in computer architecture. SIGARCH endows its half of the award, which is presented annually at the Awards Banquet of ISCA. James H. Pomerene received the award in 2006, "For pioneering innovations in computer architecture, including early concepts in cache, reliable memories, pipelining and branch prediction, for the design of the IAS computer and for the design of the Harvest supercomputer."

SIGARCH endows the Maurice Wilkes Award, an award established to recognize computer architects early in their careers, named after one of the pioneers of computer architecture who began making significant contributions early in his career. The award is selected by a vote of the Executive Committee and Board of SIGARCH, from a list of nominees supplied by a three person nominating committee. The 2006 award went to Doug Burger of UT Austin, "For contributions to spatially distributed processor and memory system architecture."

SIGARCH also cosponsors, along with the IEEE-CS TCCA, the Influential ISCA Paper Award which is presented annually at the ISCA conference. This award recognizes the paper, presented at the ISCA conference 15 years previously, which has had the most impact on computer architecture. The fourth Influential ISCA Paper Award was presented to Pohua P. Chang, Scott A. Mahlke, William Y. Chen, Nancy J. Warter, and Wen-mei W. Hwu for their paper "IMPACT: an architectural framework for multiple-instruction-issue processors" which appeared in the proceedings of the 18th ISCA (1991).

All three awards, the Eckert-Mauchly Award, the Maurice Wilkes Award, and the Influential ISCA Paper Award were presented at ISCA 2006 in Boston, Massachusetts.

Conferences

SIGARCH is a 50% cosponsor of ISCA, the International Symposium on Computer Architecture, which is the premier conference in the field of computer architecture. The 33rd annual ISCA (ISCA 2006) was held in Boston, Massachusetts. David Kaeli was General Chair and Mateo Valero was Program Chair. ISCA 2007 is going to be part of ACM FCRC 2007 in San Diego, California, with Dean Tullsen of UCSD serving as General Chair and Brad Calder of UCSD as Program Chair. ISCA 2008 will be held in Beijing, China, with Kai Li and Jesse Fang serving as General Co-Chairs, and Wen-Mei Hwu serving as Program Chair.

The SC'XY Conference is jointly sponsored by SIGARCH and the IEEE Computer Society. Formerly known as the Supercomputing Conference, the conference has successfully evolved away from its focus on supercomputers and is now the High Performance Networking and Computing Conference. In addition to its technical success, SC'XY is large enough that it must be scheduled many years in advance. SC 2006 will be held in Tampa.

SIGARCH is a 50% cosponsor of the Conference on Architectural Support for Programming Languages and Operating Systems, commonly known as ASPLOS, along with SIGPLAN and SIGOPS. The conference has been held biannually since 1982, alternating its location between San Jose and Boston. The next ASPLOS, to be held in San Jose in 2006, will have John Shen of Intel as General Chair and Margaret Martonosi of Princeton University as the Program Chair. Starting in 2007 the conference will be held annually in different locations. ASPLOS 2007 will be held in Seattle, with Susan Eggers serving as General Chair and Jim Larus serving as Program Chair.

SIGARCH sponsors the International Conference on Supercomputing (ICS). ICS 2006 took place in Cairns, Australia in June. Greg Egan and Yoichi Muraoka were the General Co-Chairs and Stamatis Vassiliadis was the Program Chair.

The eighteenth Symposium on Parallel Algorithms and Architectures (SPAA 2006), jointly sponsored by SIGARCH and SIGACT, was held in Cambridge, Massachusetts in July. Phil Gibbons was General Chair and Uzi Vishkin was Program Chair.

SIGARCH is one-third cosponsor of the Conference on Parallel Architectures and Compiler Techniques (PACT), along with the IEEE Computer Society and IFIP, and annually held in the fall. PACT 2006 will take place in Seattle in September. Erik Altman is the General Chair, and Kevin Skadron and Ben Zorn are Program Co-Chairs.

SIGARCH also co-sponsors the Symposium on Architectures for Networking and Communications Systems (ANCS). The second ANCS, ANCS 2006, will be held in San Jose, California in October. Laxmi Bhuyan is General Chair and Michel Dubois and Will Eatherton are Program Co-Chairs. ACM SIGCOMM and the IEEE are also co-sponsoring this conference.

In addition to the above conferences, SIGARCH has taken a small sponsorship position, or in-cooperation status, with several other conferences. For the last several years SIGARCH has been a minor sponsor of the International Conference on High Performance Computing (HiPC), held annually in December and alternating between Bangalore and Hyderabad, India. SIGARCH also has a small sponsorship position in CCGrid, a conference on grid computing held annually in Japan. SIGARCH is also taking a small sponsorship position with SenSys, a conference on Sensor Systems. In addition, SIGARCH has also been in in-cooperation status with MASCOTS, IPDPS, FMGALS, and LCTES.

Travel Grants

SIGARCH annually gives travel grants to students who attend ISCA or ASPLOS. The grants are restricted to student members of SIGARCH, following several votes of the SIGARCH membership. The precise amount of the grants depends on the number of students who apply, but we have made an attempt to give at least a little to every student coauthor who applied. SIGARCH has also funded significant education programs at SC'05 and SC'06.

Publications

CAN (Computer Architecture News), SIGARCH's newsletter, is published 4 times a year. In addition, the ISCA Proceedings form a special fifth issue, and the ASPLOS Proceedings is likewise distributed as a special issue. The newsletter consists of technical contributions, reports of panels, Internet nuggets (the most interesting or controversial articles from the comp.arch newsgroup), book reviews, and call for papers. There are occasional single topic special issues. Proceedings of SC, SPAA and ICS are available through the Member Plus program.

Finances

SIGARCH enjoys a very healthy fund balance, currently over one million dollars. SIGARCH actually loses money on each member, but makes money from conference surpluses. The SC conference often has a large surplus due to its exhibition component. SIGARCH and the SC Steering Committee have agreed that future profits from SC'XY will be in large part returned to the SC community, in the form of a series of large project-oriented grants (to be matched by the other sponsor of SC'XY, the IEEE Computer Society). In 2005 the grants provided funds for mentoring and education programs for the community.

Membership

SIGARCH membership has been essentially flat over the past several years. However SIGARCH's membership retention rate is among the highest rates of the long-established SIGs.

Summary

SIGARCH remains a financially healthy institution with an enthusiastic membership. The interest of its members can be gauged by the health of all of its major conferences in the past year. The challenges remain as they have in previous years: how to retain the members we do have, and to encourage others to join, as well as how to use our fund balance most effectively.

SIGART FY'06 Annual Report
July 2005 - June 2006
Submitted by: Maria Gini, SIGART Chair

The scope of SIGART consists of the study of intelligence and its realization in computer systems. These includes areas such as autonomous agents, intelligent user interfaces, knowledge discovery, human-language technology, cognitive modeling, knowledge representation, planning, scheduling, logic programming, problem solving, search, connectionist models, machine learning, robotics, and computer vision.

During 2005/2006:

1. **Awards**:
The 2005 SIGART Autonomous Agents Research Award was presented in 2005 to Dr. Milind Tambe of the University of Southern California, and in 2006 to Dr. Michael Wooldridge of the University of Liverpool, UK. The recipient of the 2005 award, Dr. Tambe, has made seminal contributions to the theory, applications, and software infrastructure in the area of teamwork. Dr. Tambe delivered an invited talk at AAMAS 2005 entitled "Conflicts in Teamwork: hybrids to the rescue." The recipients of the 2006 award, Dr. Wooldridge, has made seminal contributions to the logical foundations of multi-agent systems, especially to formal theories of cooperation, teamwork and communication., computational complexity in multi-agent systems, and agent-oriented software engineering. Dr. Wooldridge presented an invited talk at AAMAS 2006, entitled "With a Little Help from my Friends: On the Logic and Complexity of Cooperation." The ACM SIGART Autonomous Agents Research Award is an annual award for excellence in research in the area of autonomous agents. The award is given annually. Because of the change of date of AAMAS from July to May, this year we are reporting about two awards.
AAMAS 2005 was held in Utrecht (Netherlands) in July 2005 and AAMAS 2006 in Hakodate (Japan) in May 2006.

2. **Conferences**:
 SIGART co-sponsored the conferences AAMAS (Autonomous Agents and Multi-Agent Systems), ASE (Automated Software Engineering), IUI (Intelligent User Interfaces), K-CAP (Knowledge Capture), and a new conference HRI (Human Robot Interaction), which was held in March 2006. In addition, SIGART cooperated with many conferences, such as AH (Adaptive Hypermedia and Adaptive Web-Based Systems), CIA (Cooperative Information Agents), ECAP (European Conference on Computing and Philosophy), IEA/AIE (Industrial & Engineering Applications of Artificial Intelligence & Expert Systems), and WI/IAT (Web Intelligence and Intelligent Agent Technology). AAMAS remains the largest conference co-sponsored by SIGART.

3. **Educational Activities**:

a. We awarded a number of scholarships to students to attend the conferences co-sponsored by SIGART. The amounts of scholarships varied from $1,000 to $15,000 per conference, depending on the conference size.

b. We co-sponsored, with AAAI, the SIGART/AAAI Doctoral Consortium. The Doctoral Consortium, held in conjunction with the AAAI conference, provides an opportunity for a group of 12-15 Ph.D. students to discuss and explore their research interests and career objectives with a panel of established AI researchers. A similar Doctoral Mentoring program was held in conjunction with the AAMAS conference, both in 2005 and in 2006.

c. We co-sponsored, with IFMAS and ATAL, a Summer School on Agents in Porto Alegre, Brazil, 21-30 September 2005. The school is part of an effort to broaden the community in underdeveloped areas. A total of 68 people, mostly from Brazil and South America, attended the school.

4. **We conducted a survey of our members**.

The main purpose was to connect with the members, assess their interests, and find volunteers to help with SIGART related activities. The number of responses received was high (506), almost one third of our membership. The majority of respondents (79%) were regular members, mostly from the US (70%), but all regions outside the US, except Africa, were represented. Many (30%) have been members for more than 10 years. Many are also members of other societies, such as AAAI (43%) and IEEE (51%). The most important benefits for members are the conferences and access to the Digital Library, but many miss the Newsletter and would like to have it restarted. A large number (55%) is willing to volunteer 1-4 hours/month and some (20%) even 5-10 hours/month for SIGART activities. This gives us a large base to recruit volunteers to help restart the newsletter, update the web page, and, hopefully, have candidates to run for officers.

SIGART is run by an Executive Board, composed by Maria Gini, Chair, Kiri Wagstaff, Vice-Chair, and Robert St. Amant, Treasurer. SIGART was scheduled to have elections in 2005, but since none of the positions was contested, the SGB has decided instead to appoint directly the candidates.

Plans for the future include:

* Reconnect with our members and increase services for members: After completing the members survey described above, we are currently asking members to volunteer for specific tasks, so we can update the Web page, add new contents to it, and, possibly, restart a Newsletter.

* Continue supporting the communities of SIGART-sponsored conferences:
SIGART is actively trying to expand the areas covered by co-sponsored conferences. This is now especially important considering that AAMAS is planning to become independent of SIGART and start a new organization.
SIGART will continue to provide support to the communities represented by the SIGART co-sponsored conferences in a manner that is commensurate to the fees and surpluses contributed by the conferences.

SIGBED FY'06 ANNUAL REPORT
July 2005 - June 2006
Submitted by: Rajeev Alur, SIGBED Chair

SIGBED continued to grow and develop its identity during its third year.
Recently, we instituted our first award, Frank Anger Memorial SIGBED/SIGSOFT Student Award.
This award is to promote interdisciplinary research between embedded systems and software engineering. SIGBED has distributed the call for applications from eligible students, and we expect to announce the award at SIGBED business meeting in October during our flagship meeting EMSOFT.

SIGBED research seems to be growing along two interdependent themes. On the applications side, sensor networks has emerged to be an exciting new area that has the potential to transform our society.
IPSN (jointly sponsored by SIGBED and IEEE) has become a key forum for researchers in this area, and this meeting is witnessing amazing growth in terms of attendance and submissions.
In terms of foundations, EMSOFT is maturing to be an important conference drawing researchers studying programming languages, real-time scheduling, model-based design, and formal methods.

SIGBED has made a conscious effort to bring together related meetings. As a result, in October 2006, Embedded Systems Week (ESWEEK) in Seoul will host EMSOFT as well as CODES-ISSS (a conference focused on low-level issues of design and implementation of embedded systems) and CASES (a conference with emphasis on architecture and compiler aspects of embedded systems). We hope this will attract new researchers, students, and practitioners to the area.

Going forward, we will continue to be a catalyst for integrating various research themes in embedded systems into a coherent academic subdiscipline. We would like to focus on attracting more practitioners to SIGBED, perhaps by orienting SIGBED Review more to the taste and needs of practitioners. It is also worth noting that embedded systems is a very active area of research in Asian countries (China, Taiwan, Korea, India, Japan), and this opens up an opportunity to increase ACM's presence in these countries.

SIGCAS FY'06 ANNUAL REPORT
July 2005 - June 2006
Submitted by: Flo Appel, SIGCAS Chair

1. Awards that were given out
The 2006 SIGCAS "Making a Difference" award went to Dr. Barbara Simons, a prominent computer scientist and past president of ACM. This award is given to an individual who is nationally recognized for leadership in promoting increased awareness of ethical and social issues in computing, and to encourage responsible action by computer professionals. The time and place of presentation of Dr. Simons' award is yet to be determined.

The 2006 SIGCAS "Outstanding Service" award went to Dr. Keith Miller, Professor of Computer Science, University of Illinois, Springfield. Dr. Miller received this award for an impressive record of sustained and outstanding service to SIGCAS, thus enabling SIGCAS to contribute to the computing profession. His award will be presented by SIGCAS Chair Florence Appel at the October 2006 SIGITE conference in Minneapolis, Minnesota, where Dr. Miller will be serve as a participant on a SIGCAS-sponsored panel.

2. Significant papers on new areas that were published in proceedings

3. Significant programs that provided a springboard for further technical efforts

4. Innovative programs which provide service to some part of your technical community

The new SIGCAS Executive Committee (see below for composition) has initiated collaborative activities with two other SIGs, namely SIGCSE and SIGITE, both involved in the computing education arena. We are beginning to have a formal and visible presence at their conferences, and hope to serve both our SIGCAS membership and the membership of these cooperating organizations in furthering study in the areas of the social impact of computing and computer ethics. We are also making connections with various regions of the CCSC (Consortium for Computer Science in Colleges). Also in the spirit of making connections, Carol Spradling from Northwest Missouri University is our SIGCAS representative on the newly formed ACM Education Council, while Don Gotterbarn from Eastern Tennessee State University continues to represent SIGCAS on the USACM.

5. A very brief summary of the key issues that the membership of that SIG will have to deal with in the next 2-3 years.

The SIGCAS Executive Committee has just completed its first term with Flo Appel, Saint Xavier University, as Chair; Bill Hefley, Carnegie Mellon University, as Vice-Chair; Mark Perry, University of Western Ontario, as Member-at-large; and Tom Jewett, California State University, Long Beach, as past Chair. Erik Kapocius continues to serve us as our information director.

While we have made inroads into collaboration with other organizations, we have much work to do to develop and sustain these relationships, especially in the area of mobilizing our current membership to become more actively involved in these liaisons.   One new effort which may serve us well is the formation of a SIGCAS Education Committee, to be chaired by Joe Oldham, Centre College, and to consist of members who are involved in the area of computing education and related organizations (SIGCSE, SIGITE, CCSC, CSTA, ACM Ed Council). The charge for that committee is currently being drafted.   Areas other than education also need to be addressed.

Our newsletter, online since 2002, must be stabilized from the perspective of both its editorial board and its publication. The migration to electronic format only has had a great cost-saving benefit, but we have lost our ability to provide our members with a cohesive and tangible quarterly publication, and we have had difficulty with timely publication. To some degree, we are addressing this lack with the upcoming publication of a print edition. Newsletter editor Alison Adam is planning to have the contents of this issue ready by mid-August. We will use this issue as an opportunity to communicate with and mobilize our membership with greater volunteer opportunities.

Tom Jewett's statement of three years ago remains relevant to us today: "...the social problems of computerization are simply increasing. Gaps in access to technology according to gender, social and economic standing, and disability are only slowing being addressed. Abuse of technology for commercial purposes, special interests, and fraud are widespread and growing. Legislative and judicial systems are frequently slow and ineffective in responding to technical innovations. As a profession, we still lack the cohesiveness and public influence of older disciplines such as medicine or law. Education of both practitioners and the general public remains a key to progress. SIGCAS will continue to address these and other topics of relevance to our charter."

SIGCHI FY2006 Annual Report
July 2005 - June 2006
Submitted by: Joseph Konstan, SIGCHI President

Awards

SIGCHI's 2005 Lifetime Achievement Award: jointly to Judith S. Olson and Gary M. Olson, pioneers in the field of computer-supported collaboration.

SIGCHI's 2005 Lifetime Service Award was awarded to Susan M. Dray.

SIGCHI inducted the following new members into the CHI Academy: Michel Beaudouin-Lafon, Scott Hudson, Hiroshi Ishii, Jakob Nielsen, Peter Pirolli, and George Robertson.

SIGCHI's Social Impact Award was awarded to Ted Henter.

In addition to these awards, several SIGCHI Conferences conveyed awards:

CHI 2006 awarded three best paper awards:

A Role for Haptics in Mobile Interaction: Initial Design Using a Handheld Tactile Display Prototype
Joseph Luk, University of British Columbia, Canada
Jérôme Pasquero, McGill University, Canada
Shannon Little, University of British Columbia, Canada
Karon MacLean, University of British Columbia, Canada
Vincent Lévesque, McGill University, Canada
Vincent Hayward, McGill University, Canada

Embedded Phenomena: Supporting Science Learning with Classroom-sized Distributed Simulations
Tom Moher, University of Illinois at Chicago, USA

Trackball Text Entry for People with Motor Impairments
Jacob Wobbrock, Carnegie Mellon University, USA
Brad Myers, Carnegie Mellon University, USA

UIST 2005 gave two awards:

    SIGCHI BEST paper awards:

    Automation and customization of rendered web pages
    by Michael Bolin, Matthew Webber, Philip Rha, Tom Wilson, and Robert C. Miller (MIT)

    Lasting Impact Award

    Gordon Kurtenbach for his work on marking menus

Other conferences have also given "outstanding paper" and "best paper" awards, but we do not have these centrally tracked (one more thing to work on!).

Significant Programs and Key Issues

1. Conferences. SIGCHI continues to sponsor a mix of long-running and newer conferences which provide the highest-prestige outlets for research while also serving as venues for emerging work (e.g., the workshop programs and poster sessions in many of our conference), promoting student education (e.g., the doctoral colloquia and student volunteer programs in our conferences), and promoting continuing professional education and networking (e.g., the tutorial and course programs and our special interest group gatherings and recruiting and networking events). Most of our conferences are stable, and are well run by the communities they serve. We put substantial direct effort into our flagship CHI conference, which has undergone substantial redesign in the past few years.

In particular, now that CHI 2006 is complete, we can report success in our effort to redesign the conference to bring back a segment of the practitioner community that has been in decline at CHI. The changes were outlined last year, but highlights include moving from expensive pre-conference tutorials to a higher registration fee with a four-day (instead of three-day) main conference in which courses are offered in parallel with other technical sessions, creating new venues under the control of communities of practice (e.g., usability case studies), adding a recruiting evening reception, and (last year) increasing the number of papers accepted back to historic levels (20-25%). While these changes were not without controversy (and increased fees were a particular source of complaints), we experienced a substantial boost in attendance and initial satisfaction with the program seems to be quite high.

As a result, we are nearly at the point of having rebuilt our fund balance to the point where we can start investing more substantially in new development activities. We are grateful to ACM's financial operations staff, to ACM SIG services staff, and to the volunteers that have helped us change CHI to reflect today's conditions and to help us emerge stronger.

2. **Chapters**

The SIGCHI chapters program continues to serve thousands of members worldwide. We continue to work with the MSB to explore ways of better communicating with chapters and their members, and have been active in expanding chapters in India and China.

3. **Publications**

We have been working with the ACM Publications Board on issues related to interactions magazine, helping to support the magazine and develop new management structures that allow it to succeed among design-sensitive readers while making use of ACM's in-house talent and structures.

We have not make as much progress as we'd hoped either on the idea of encouraging more conference paper authors to develop their work further into journal papers or on standards and review criteria for evaluating contributions from communities other than the research community. More work remains here.

4. **Elections**

We have had substantial success in our election process. Most offices had more than the required number of candidates (including 3 pairs of candidates for President/Executive vice-President). We held an electronic election which gave us the benefit of announcing the winners in time for the annual CHI conference and making that conference a useful venue for hand-off and get-up-to-speed activities. We are now working to find volunteer opportunities for and make good use of those candidates who were not elected.

Thanks to the willing volunteers who stood for election and the hard work of our election committee, we have a capable set of new officers to take SIGCHI forward through the next three years.

5. **Electronic Infrastructure**

While we have maintained our electronic infrastructure (mailing lists, web sites), we have not made the progress we hoped for. This is an area that we know will need further development in the coming years. It is also one where we hope to leverage the expertise and staff support of ACM.

6. **US Public Policy**

SIGCHI's US Public Policy committee has been active (including a successful workshop held at CHI 2006). We are currently in coordination discussions with USACM to help ensure that ACM can speak with one voice while not neglecting issues of importance to the HCI community.

SIGCOMM FY'06 ANNUAL REPORT
July 2005 - June 2006
Submitted by: Jennifer Rexford, SIGCOMM Chair

The past year for SIGCOMM has been an exciting one. Highlights include:

- Finances: The SIG finances are in great shape, with a surplus for the third fiscal year in a row, allowing us to recover from some losses during the year immediately following the burst of the tech bubble and the 9/11 attacks. All of our events broke even or had a small surplus, including the Internet Measurement Conference that had to relocate from New Orleans in mid-October 2005 following the horrible devastation by Hurricane Katrina. (We are especially grateful to the IMC steering committee, and ACM SIG Services, for responding so quickly to move the conference to Berkeley, California.) Our current fund balance is healthy, giving us room to take some calculated risks in the coming years.

- Awards: The SIGCOMM community had strong year of recognition of the research contributions of its members. Deborah Estrin won the first Athena Lecturer Award presented by ACM's Committee on Women in Computing (ACM-W) to recognize women researchers who have made fundamental contributions to computer Science. Five senior members of the SIGCOMM community became ACM Fellows: Tom Anderson, Christophe Diot, T.V. Lakshman, Walter Willinger, and Hui Zhang. SIGCOMM recognized Domenico Ferrari with the SIGCOMM Award for lifetime achievement for his numerous contributions to data networking, including his work on Internet quality of service architectures and wide-area network research testbeds, as well as his leadership in managing the BSD Unix project.

- New award: SIGCOMM created a new award, the "SIGCOMM Test of Time" award to recognize a paper published 10 to 12 years in the past in Computer Communication Review or any SIGCOMM sponsored or co-sponsored conference. The first winner was Vern Paxson for his paper "End-to-End Routing Behavior in the Internet" at SIGCOMM'96. We also retrospectively presented the award to the authors of the notable papers from 1969 to 1995 that were published in a special issue of ACM SIGCOMM Computer Communications Review in January of 1995.

- Geodiversity travel grants: Following up on last year's initiative to fund junior faculty from Latin America to attend the main SIGCOMM conference, the SIG sponsored three junior faculty to attend SIGCOMM'06. The recipients hailed from Brazil, India, and Thailand.

- New at SIGCOMM'06: The main SIGCOMM conference made several changes this year. First, the program chairs experimented with a two-tiered program committee, where "PC light" members reviewed papers and contributed to e-mail discussions, and "PC heavy" members also attended the PC meeting and did additional reviews of the papers in serious contention. Second, the program chairs expanded the program by accepting 37 papers -- a record number -- while continuing the single-track format. Third, they created a discussion board for the community to post comments and questions about the papers before, during, and after the conference. Fourth, they had a "public review," in the style of a NY Times Book Review, for each accepted paper. These initiatives should go a long way in increasing the energy and vibrancy of the conference.

- CoNext: The SIG decided to become the financial sponsor for the CoNext Conference on Future Networking Technologies starting in 2007. The annual conference, initiated by the European networking research community, began in 2005 as an "in cooperation with SIGCOMM" event. We envision that the conference will run six months out of phase with the main SIGCOMM conference and will be located primarily in Europe, taking place periodically in other regions, particularly in years when the SIGCOMM conference takes place in Europe.

- Community e-mail list and policy discussions: At the SIGCOMM'05 business meeting, the SIG raised a number of important policy questions for discussion in the community. For example, we discussed how our conferences should consider past publication of a short paper in a workshop when reviewing a full-length version of the paper for a conference. We also discussed whether SIG-sponsored events can have limited attendance and, if so, under what policies. We created a public e-mail list for discussion of these and other issues, and have been documenting the results in a FAQ.

- CCR Newsletter: The Computer Communications Review (CCR) -- the SIGCOMM newsletter -- has been an increasingly vibrant publication under the leadership of editor Christophe Diot.

New columns have been added on discussions of "top ten favorite papers" by members of the community, and the hilarious musings of Michalis Faloutsos on topics of interest to the community (including "The Internet, Who's Your Daddy?", destined to become a classic). The number of submissions to CCR increased significantly during the past year.

- SIGCOMM'07 in Kyoto, Japan: In August 2007, the main SIGCOMM conference will take place in the Asia-Pacific region for the first time. The conference rotation schedule is now on a three-year cycle between North America, Europe, and a wildcard, where the conference could take place in any region every third year. In 2008, the conference will return to North America. We plan to start the site-selection process for SIGCOMM'08 shortly.

We are looking forward to next year, and gearing up for the SIG Elections. The elections committee, chaired by Professor Jim Kurose, will be identifying candidates for the offices of chair, vice chair, and treasurer during the fall, identifying at least two candidates for each office by the end of January 2007.

SIGCSE Annual Report
July 2005 - June 2006
Submitted by: Henry M. Walker, SIGCSE Chair

Following its mission statement, SIGCSE "provides a forum for problems common among educators working to develop, implement and/or evaluate computing programs, curricula, and courses, as well as syllabi, laboratories, and other elements of teaching a pedagogy." In addition to its own activities, SIGCSE continues to work with SIGITE, ACM's Special Interest Group for Information Technology Education, and CSTA, the Computer Science Teachers' Association that focuses on K-12 education. In the spirit of this collaboration, SIGCSE invited Robb Cutler, CSTA Chair, and Chris Stephenson, CSTA Executive Director, to give a keynote address on "Working Together to Improve K-12 Computer Science Education" at the SIGCSE 2006 Symposium.

Conferences

SIGCSE sponsors three annual conferences:

   * This year, SIGCSE started a new conference, ICER 2005, for International Computing Education Research. Nearly 60 participants attended ICER 2005, held 1-2 October at the University of Washington under the insightful leadership of Sally Fincher, Richard Anderson, and Mark Guzdial. Details of this conference may be found at   http://icer2005.cs.washington.edu/ A lovely report also appeared in the November 2005 issue of the Computing Research News, http://www.cra.org/CRN/articles/nov05/guzdial.html

   * The 2006 SIGCSE Technical Symposium (SIGCSE 2006) was held on 1-5 March 2006, in Houston, TX USA. Conference registration was very healthy at 1165, and 502 people signed up for workshops. This year, 294 papers, 26 panels, 18 special sessions, and 50 workshops were submitted, and these were reviewed by 608 reviewers. All papers received at least 4 reviews, and most received 5 or 6. The final program accepted 104 papers, for an acceptance rate of 35.4%. Regarding external contributions, SIGCSE was delighted to involve 29 exhibitors to SIGCSE 2006. Much credit is due Symposium Co-chairs, Doug Baldwin from SUNY Geneseo and Paul Tymann from Rochester Institute of Technology.

   * The 2006 Innovations and Technology in Computer Science Education Conference (ITiCSE 2006) was held 26-28 June 2006, at the University of Bologna in Italy. This conference set a record at over 200 attendees. Submissions included 194 papers, 4 panels, 18 software/courseware announcements, 51 posters, 6 student posters, 12 tutorials, 17 tips and techniques, and 13 working groups. All papers were reviewed by at least 3 reviewers each (most by 5 or 6), 378 reviewers were involved in the reviewing process, and 60 papers were accepted (30.9%). Many thanks to Conference and Program Co-Chairs, Renzo Davoli and Paola Salomoni from the University of Bologna and Michael Goldweber from Xavier University.

Forthcoming conferences include:

   * ICER 2006, 9-10 September 2006, The University of Kent, Canterbury, UK under the leadership of Sally Fincher from the University of Kent at Canterbury, Richard Anderson from the University of Washington at Seattle, and Mark Guzdial from Georgia Institute of Technology. Details of this conference may be found at http://www.cs.kent.ac.uk/events/conf/2006/icer/ .

   * SIGCSE 2007, 7-10 March 2007, Northern Kentucky Convention Center, Covington, KY USA under the leadership of Ingrid Russell from the University of Hartford and Susan Haller from SUNY Potsdam. More about this conference may be found at   http://www.cs.potsdam.edu/sigcse07/index.shtml .

   * ITiCSE 2007,25-27 June 2007, University of Dundee, Dundee, Scotland, under the leadership of Janet Hughes and Ramanee Peiris from the University of Dundee and Paul Tymann from Rochester Institute of Technology. For more information, see   http://iticse2007.computing.dundee.ac.uk/ .

Looking ahead, Robert Beck from Villanova University and Scott Grissom from Grand Valley State University continue to do an outstanding job in working with future Symposium Co-chairs and with ACM Headquarters in the contracting of future sites for SIGCSE Symposia. Thanks also to Mats Daniels from Uppsala University for his work as ITiCSE Site Coordinator, with the help of Bruce Klein from Grand Valley State University.

Awards
Following past tradition, SIGCSE presented two awards this past year at its Symposium in Houston, TX.

  * Rich Pattis from Carnegie Mellon University, Pittsburgh, PA USA,
    received SIGCSE's 2006 Award for Outstanding Contributions to Computer
    Science Education.

  * Joyce Currie Little from Towson University, Towson, MD USA received
    SIGCSE's 2006 Award for Lifetime Service.

Special Project Grants

SIGCSE continues to invite its members to apply for Special Project Grants to investigate and introduce new ideas in the learning and teaching of computing. The maximum funding is $5,000 USD per proposal and the level of funding is subject to the quality of proposals received and the availability of funds targeted for such projects.

The following table shows the activity for this program since its inception in 2003:

Period	Proposals Received	Awards Funded	Funds Committed
August 2005- June 2006	???	???	???
March 2005 - July 2005	9	4	$14,935
March 2004 - February 2005	13	5	$17,967
March 2003 - February 2004	17	7	$20,800

Additional information on SIGCSE Special Project Grants may be found through a link from http://www.sigcse.org.

Committee Initiative
SIGCSE encourages its members to discuss topics of significance to the computing-education community through its Committee Initiative.
The following outlines SIGCSE's four current committees:

  * The SIGCSE Committee on the Implementation of a One-Semester Course in Discrete Mathematics
        Facilitators: William Marion from Valparaiso State University and Douglas Baldwin from the State University of New York at Geneseo.
        Status: After circulating draft materials and presenting interim reports at conferences, a final report is in preparation.

  * The SIGCSE Committee on Expanding the Women-in-Computing Community
        Facilitators: Gloria Childress Townsend, DePauw University and Paula Gabbert, Furman University.
        Status: This committee engages interested individuals, particularly at conferences. Projects include identifying   "recruiting and retaining women (R&R) in computing" and highlighting success stories regarding R&R, and fostering communication with interested computing educators related to expanding the community of women in computing.

  * The SIGCSE Committee on the Teaching of Computer Science Research Methods
      Facilitators: Anne Applin, Ithaca College and Hillary Holz from California State University,
 East Bay.
      Status: After a year of preparation, several committee members met as a Working Group at
ITiCSE 2006. A draft report is in progress.

   * The SIGCSE Committee on Models for Evaluating Faculty Scholarship
      Facilitators: Gerald Kruse, Juniata College, Shmuel Fink, Touro College, and
Keith Olson, Utah Valley State College
      Status: Organized this past year, the Committee held a Birds-of-a-Feather session at SIGCSE
2006, and it is beginning to consider the collection and organization of data.

Discussions continue with several individuals and groups regarding possible new SIGCSE Committees.
When dialog yields a subject of general community interest, a clear focus, and 2-4 facilitators, a
proposal can go forward to the SIGCSE Board for the creation of a new SIGCSE Committee. More
information may be found through the SIGCSE Committee Initiative links at http://www.sigcse.org.

Additional SIGCSE Programs and Activities
  * Bulletin, inroads
   SIGCSE publishes inroads the SIGCSE Bulletin, quarterly.
     * The March issue is the Proceedings of SIGCSE's annual Symposium
     * The September issue is the Proceedings of SIGCSE's annual Conference on Innovation and
Integrating Technology in Computer Science Education
     * The June and December issues contain columns, editorials, and articles on computing
education.
     * The December issue also contains a CD of the Proceedings of the SIGCSE Workshop on
International Computing Education Research.
   John Impagliazzo provides outstanding leadership, vision, and insight in his role as Editor-in-Chief.

  * In-Cooperation Conferences
   As with other ACM Special Interest Groups, SIGCSE may lend its name to non-SIGCSE events that
are fully sponsored by other non-profit organizations. To be approved, the event(s) must be relevant to
SIGCSE and provide some sort of benefit to SIGCSE members. SIGCSE will not share in the direct
financial support, benefit, or risk of the event.
   "In-Cooperation" status allows the conference to be publicized on ACM's on-line calendar, and
conference proceedings may be indexed through the ACM Digital Library. Additional information
regarding "in-cooperation" status may be found through a link at http://www.sigcse.org, and inquiries
may be sent to chair@sigcse.org.

   For a full list of SIGCSE-sponsored and "in-cooperation" events, follow the "ACM Calendar of
SIGCSE Events" link at http://www.sigcse.org.

  * Doctoral Consortium
   SIGCSE's Doctoral Consortium provides a forum for graduate students to refine directions for their
research, receive feedback on their research ideas, and develop a network of contacts for on-going
discussions. The Doctoral Consortium is held annually on the on the Wednesday before the SIGCSE
Symposium in February or March. This year, fourteen people participated in this program.

  * Outreach Project
   SIGCSE's Outreach Project supports the dissemination of outstanding SIGCSE/ITiCSE
presentations to other venues. The program is open to any non-ACM conference holding "In-
Cooperation" status with SIGCSE. Funds are for travel support only (transportation, accommodation,
meals), not for registrations or honoraria. The level of funding is subject to the quality of proposals
received and the availability of funds. During the 2005-2006 academic year SIGCSE was pleased to
fund seven proposals.

   Additional information can be found through a link to the SIGCSE Outreach Project page from
http://www.sigcse.org.

* Workshop for Department Chairs

This past year, with the encouragement of the SIGCSE Board, Frank Young of Rose-Hulman Institute of Technology, Sue Fitzgerald from Metropolitan State University, and Sandra DeLoatch from Norfolk State University organized an extremely well-received Workshop for Department Chairs, held just before the SIGCSE 2006 Symposium. This first workshop, attended by 20 participants, focused on organizational matters, planning, and the addressing of common problems -- with a particular focus on issues for new chairs. Building on the success of this first session, the next Workshop for Department Chairs is being planned in conjunction with SIGCSE 2007, expanding the focus to include all department chairs in computer science.

* Web Site/Internet Presence

SIGCSE is fortunate to have three capable volunteers who oversee its electronic presence:

* Scott Grissom from Grand Valley State University serves as Web master.
* Jesse Heines from the University of Massachusetts at Lowell and Frank Young from Rose-Hulman Institute of Technology serve as listserv moderators.

Many thanks to each of these people for the wonderful work that they do.

* Doctoral Programs in Computer Science Education

In response to requests for information, the SIGCSE Board asked Sue Fitzgerald from Metropolitan State University and Lisa Kaczmarczyk from Rose Hulman Institute of Technology to help start a project to identify CS Ed doctoral programs and to identify resources for those interested in that area. Initial materials are being gathered and organized. Many thanks to Sue and Lisa for their on-going efforts on this project. Thanks also to Ann Fluery who contributed at the start of this work.

* On-line Education Links

SIGCSE Education Links is a collection of resources maintained and shared by SIGCSE members to support computer science education. All members of the educational community can borrow resources and learn from others. SIGCSE members are encouraged to share their resources by following the "Links" tab at http://www.sigcse.org.

SIGDA FY'06 Annual Report
July 2005 - June 2006
Submitted by: Diana Marculescu, SIGDA Chair

Overview
========
Fiscal year '06 has continued the previous trend of consolidation for SIGDA. A new Executive Committee elected in June 2005 entered its first year in office, and a few new members joined the SIGDA Advisory Board to support SIGDA's new or existing programs. Following the trend seen during the last two years, most of SIGDA's programs were scaled back, relying partially on external sponsorship for supporting costs associated with some SIGDA programs. As in the previous years, SIGDA marketing activities continued to emphasize three major areas of SIGDA activities: conferences and conference programs, electronic publications, and support for students and new professors.

Conferences and Conference Programs
==================================
Sponsoring conferences, symposia, and workshops in electronic design automation (EDA) is a primary activity for SIGDA, and one with a long history. SIGDA sponsors or co-sponsors every major conference in EDA, and most smaller EDA symposia and workshops. In addition, SIGDA organizes the University Booth, the Ph.D. Forum (annually) and Design Automation Summer School (biannually) at DAC, and the CADathlon at ICCAD.

Conferences, Symposia, and Workshops

SIGDA sponsors, co-sponsors, or is "in cooperation with" almost every conference, symposium, and workshop in electronic design automation (EDA), averaging more than 1.5 such events per month. Members of the SIGDA Executive Committee and Advisory Board provide direct representation on the organizing committees of most major conferences; Patrick Madden coordinates the smaller events. During the FY'06 conference year (which runs from March 2005 through February 2006), these events included those listed below (chronologically). Note that some events are listed twice, as they sometimes move around in the February-March timeframe.

- International Workshop on System Level Interconnect Prediction (SLIP'05)
- Design, Automation, and Test in Europe (DATE'05)
- International Symposium on Quality Electronic Design (ISQED'05)
- International Symposium on Physical Design (ISPD'05)
- Great Lakes Symposium on VLSI (GLSVLSI'05)
- International Conference on Application of Concurrency to System Design (ACSD'05)
- International Workshop on Logic and Synthesis (IWLS'05)
- Design Automation Conference (DAC'05)
- Formal Methods and Programming Models for Codesign (MEMOCODE'05)
- Formal Methods for Globally Asynchronous Locally Synchronous Design (FMGALS'05)
- Symposium on Languages, Compilers, and Tools for Embedded Systems (LCTES'05)
- International Symposium on Low Power Electronics and Design (ISLPED'05)
- Symposium on Integrated Circuits and Systems Design (SBCCI'05)
- International Conference on Hardware/Software Codesign and System Synthesis (CODES-ISSS'05)
- International Conference on Computer Aided Design (ICCAD'05)
- International Conference on VLSI Design (VLSI'06)
- Asia and South Pacific Design Automation Conference (ASP-DAC'06)
- International Symposium on Field Programmable Gate Arrays (FPGA'06)
- International Workshop on Timing Issues in the Specification and Synthesis of Digital Systems (TAU'06)

University Booth at DAC

Under the guidance of SIGDA Advisory Board member Sung Kyu Lim, the University Booth at DAC provides an opportunity for faculty and students to demonstrate university electronic design automation tools, design projects, and instructional materials. Held in a prime location on the Exhibit Floor at DAC,

the University Booth provided a great place for DAC attendees to meet and interact with university researchers. The University Booth was sponsored by SIGDA, EDAC, and DAC (which in turn is sponsored by SIGDA, IEEE/CAS, and EDAC), and was organized and run by SIGDA volunteers. The Coordinators for the 2006 University Booth were Raymond Hoare and Alex Jones.

Student Design Contest at DAC

Championed by Steve Levitan, the Student Design Contest at DAC promotes excellence in the design of electronic systems by providing a competition between graduate students in design automation. Judging criteria included originality, soundness of engineering, measured performance, and the written submission. Winning entries were highlighted at DAC's Opening Session and at the DAC/SIGDA University Booth. The Student Design Contest was sponsored by DAC (which in turn is sponsored by SIGDA, IEEE/CAS, and EDAC), the International Solid State Circuit Conference (ISSCC), and various silicon design companies, and was organized and run by volunteers.

Ph.D. Forum at DAC

For the ninth year, the Ph.D. Forum was held at DAC, under the supervision of SIGDA Secretary/Treasurer Robert B. Jones. The Ph.D. Forum is a poster session for Ph.D. students to present and discuss their dissertation research with people in the design automation community. It was a wonderful opportunity for Ph.D. students to get feedback on their work, and for industrial participants to preview academic work-in-progress. The Ph.D. Forum was sponsored by SIGDA, and was organized by SIGDA volunteers. The Chair for the 2006 Ph.D. Forum was Frank Liu.

CADathlon at ICCAD

The fourth CADathlon was held at ICCAD in November 2005, under the supervision of SIGDA Vice-Chair Patrick Madden and SIGDA representative at ICCAD, Nikil Dutt. The CADathlon is a challenging, all-day long, programming competition focusing on practical problems taken from the field of Computer Aided Design, and Electronic Design Automation in particular. The contestants are tested on their CAD knowledge, and on their problem solving, programming, and teamwork skills. The CADathlon was sponsored by SIGDA, and was organized by SIGDA volunteers. The Organizer for the 2005 CADathlon was Geert Janssen.

Electronic Publishing
=====================
SIGDA has pioneered electronic publishing of electronic design automation (EDA) literature, beginning with the DA Library in 1989, which captured 25 years of EDA literature onto an archival series of CDROMs. In the early 1990s, SIGDA published the first EDA conference proceedings on CDROMs, and during FY'06 has produced CDROM or DVD proceedings for many of the major EDA conferences and symposia. SIGDA also produces an annual DVD Super Compendium of those proceedings, and Multimedia Monographs, variously based on talks at DAC or ICCAD or on specially-produced tutorials. A new initiative, now in its fourth year, is SIGDA's E-Newsletter (containing information on upcoming conferences and funding opportunities). Finally, SIGDA provides strong support for the ACM journal TODAES (Transactions on Design Automation of Electronic Systems).

DVD Conference Compendia

Under the guidance of SIGDA EC Member at Large Bryan Preas, SIGDA has developed or participated in the development of several DVD compendia, some for SIGDA-sponsored conferences and some as benefits for SIGDA members. Slightly over three years ago, SIGDA partnered with IEEE/CAS to jointly produce two DVDs: one DVD capturing 20 years of proceedings of the International Conference on CAD (ICCAD), and another DVD capturing 40 years of proceedings of the Design Automation Conference (DAC). Since that start, the DAC DVD project has continued, with an updated DVD produced and distributed at the 43rd DAC in June 2005. A longer-range project, completed about two years ago, was to produce a DVD Super Compendium of 10 years of proceedings of all our conferences on DVD, with live internal links. SIGDA is particularly excited about these projects, not only due to their value to the community, but also as a great example of inter-society cooperation.

Multi-Media Monograph Series

Under the guidance of Massoud Pedram, SIGDA continued to produce our CDROM/DVD Multi-Media Monograph Series. The most recent DVD containing a review of emerging directions and disciplines in system-level design was distributed to participants at the SIGDA Member Meeting at DAC'06 and will be distributed to SIGDA members in the next few weeks.
ACM Transactions on Design Automation of Electronic Systems (TODAES) Under the leadership of outgoing Editor-in-Chief Nikil Dutt, the journal ACM Transactions on the Design Automation of Electronic Systems (TODAES) continues to provide comprehensive coverage of innovative research and work in the creation and evaluation of VLSI electronic systems. The journal was distributed in hard-copy, electronic, and CD-ROM formats.

Web Server

Started by Steve Levitan and now run by SIGDA Advisory Board member Mehmet Yildiz, SIGDA's web server (http://www.sigda.org) has long been a primary source of up-to-date and archival information about the activities of both SIGDA and the electronic design automation community as a whole. The server contains links to a significant amount of design automation information including SIGDA sponsored events, design automation news, awards, and programs. The website has been revamped and reorganized in November 2005 to better showcase all SIGDA sponsored programs, publications, awards, and events.

E-Newsletter

After existing for years in hardcopy format, the SIGDA Newsletter went electronic over three years ago. The SIGDA E-Newsletter is now produced twice each month by its Editors, SIGDA Advisory Board members Qing Wu and Igor Markov, and several associate editors (Qinru Qiu, Hai Zhou, Tony Givargis, Marc Riedel, and Michael Orshansky). The E-Newsletter is emailed to SIGDA members twice each month, and is also available online for members of the EDA community. The SIGDA E-Newsletter replaced the previous DA TechNews content with EDA news compiled and reviewed bi-weekly by three of the Associate editors. The E-Newsletter also contains information on upcoming conferences and funding opportunities, making it a great resource for both the electronic design automation professional as well as researchers and academics. New in FY'06, a new column showcasing new or established EDA topics ("What is…?" column) has been started by Editor Igor Markov.

Support for Students and New Professors
=======================================
SIGDA provides a surprisingly broad array of support for students and new professors, some as SIGDA-only initiatives, and some as joint initiatives with the Design Automation Conference, our flagship conference. Such support can follow a student from the undergraduate program through many aspects of graduate school to a career as a new professor.

Student Support

The Design Automaton Conference (sponsored by SIGDA, IEEE/CAS, and EDAC) fosters interest in the electronic design automation though various scholarships and support programs. The P.O. Pistilli Scholarship for Advancement in Computer Science and Electrical Engineering supports undergraduate students from under-represented groups. The DAC Young Student Support Program matches new graduate students in design automation with mentors from other schools. The DAC Graduate Scholarships provides several graduate students with one-year support, primarily from universities trying to establish a design automation program. SIGDA's participation in these programs was overseen by Diana Marculescu.

Design Automation Summer School

The first Design Automation Summer School (DASS initiated by Soha Hassoun, was held in Cape Cod, MA in May 2001. The current SIGDA liaison for the program is SIGDA Board member SungKyu Lim. The DASS offered graduate students seeking a Ph.D. in design automation the opportunity to participate in a one-week intensive course focusing on ten different design automation research areas. Well-established researchers defined each topic, described recent research advances, and outlined upcoming challenges. Follow-up discussions and technical activities further increased the interaction among the lecturers and students. The second summer school has been held in the summer of 2005, co-located with the Design Automation Conference and has been organized by Steve Levitan and Kartik Mohanram. The third edition will take place in conjunction with DAC 2007.

Travel Grants

Under the direction of SIGDA EC Member at Large Rich Auletta, SIGDA's travel grant program continued to provide SIGDA members (in particular, students and new faculty) with support to attend SIGDA-sponsored conferences, symposia, and workshops. Travel grants to attend the Design Automation Conference were handled directly by the conferences, while requests to attend other conferences were handled by SIGDA volunteers. The level of funding for SIGDA's travel grants program for FY'06 was kept at the same levels as in 2005.

Awards

SIGDA presented several awards this past year. At ICCAD in November 2005, three awards were presented at the Opening Session: the ACM/IEEE William J. McCalla ICCAD Best Paper Award was given to Zhenhai Zhu and Jacob White (Massachusetts Institute of Technology), the ACM Outstanding Ph.D. Dissertation Award in Electronic Design Automation was given to Shuvendu Lahiri (Carnegie Mellon University), and the SIGDA Outstanding New Faculty Award was given to David Pan (University of Texas, Austin).   At DAC in July 2006, two awards were presented at the Opening Session: the ACM TODAES Best Paper Award was given to Tony Givargis (UC Irvine), and the SIGDA Distinguished Service award was given to Robert Walker (Kent State U.). During SIGDA Member meetings at ICCAD 2005 and DAC 2006, the following were awarded the SIGDA Technical Leadership Award for their contributions to SIGDA programs: Florian Krohm (IBM), R. Iris Bahar (Brown U.), Igor Markov (U. of Michigan), Radu Marculescu (Carnegie Mellon U.), Frank Liu (IBM), Kartik Mohanram (Rice U.), and Ray Hoare (U. Pittsburgh).

SIGDOC FY'06 Annual Report
July 2005 – June 2006
Submitted by: Brad Mehlenbacher, SIGDOC Chair

_SIGDOC Purpose

The Association for Computing Machinery (ACM) Special Interest Group (SIG) on the Design of Communication (DOC) — ACM SIGDOC — emphasizes the design of communication for computer-mediated information products and systems. SIGDOC fosters the study and publication of processes, methods, and technologies for communicating and designing communication artifacts such as printed and online information, documentation designs and applications, multimedia and Web-based environments.

_SIGDOC Mission Statement

Until 2003, SIGDOC focused on documentation for hardware and software. With the shift in focus from documentation to the "design of communication," SIGDOC better positioned itself to emphasize the potentials, the practices, and the problems of multiple kinds of communication technologies, such as Web applications, user interfaces, and online and print documentation. SIGDOC focuses on the design of communication as it is taught, practiced, researched, and theorized in various fields, including technical communication, software engineering, information architecture, and usability.

The mission of SIGDOC includes

• Promoting the professional development of its members

• Encouraging interdisciplinary problem solving related to online and print documentation and communication technologies

• Providing avenues for publication and the exchange of professional information

• Supporting research that focuses on the needs and goals of humans in technological contexts, and

• Supporting the development and improvement of communication technologies, including applications, interfaces, and documentation.

_SIGDOC Officers

The SIGDOC officers, effective July 1st, 2005, are

• Brad Mehlenbacher, NC State University   Chair
                                                              Graduate Competition

• Rob Pierce, IBM Rational Software   Vice-Chair
                                                          Newsletter Editor
                                                          2006 Conference Program Co-Chair

• Ashley Williams, Bridgeline Software   Secretary/Treasurer
                                                              Webmaster

• Scott Tilley, Florida Institute of Technology   Immediate Past Chair

                                                                        2005 General Conference Chair

• Bob Newman, Coventry University, UK   2005 Conference Program Chair

• Michael Albers, University of Memphis   Undergraduate Scholarship

• Shihong Huang, Florida Atlantic University   2006 General Conference Chair

- John Stamey, Coastal Carolina University   2006 Conference Program Co-Chair

- Steve Sheel, Coastal Carolina University   2006   Local Arrangements

- David Novick, University of Texas at El Paso   Member-at-Large

- Clay Spinuzzi, University of Texas at Austin   Member-at-Large

- Irene Frawley, ACM HQ   ACM Program Coordinator

_SIGDOC Conference Updates

SIGDOC'05 was held in Coventry, UK, September 21st-23rd, 2005. The conference made a small profit despite conference attendance being lower than expected (most likely due to travel expenses associated with the location). SIGDOC'05 was the first conference to be held outside of North America.

Thirty-one papers were submitted and 24 papers were accepted. The conference papers were published in the Proceedings of the 23rd International Conference on Design of Communication: Documenting and Designing for Pervasive Information (S. Tilley & R. Newman, Eds., ACM P). Publications for the conference could be broadly separated into the following five categories:

• Information design principles and methods (5 papers)

• Usability (4 papers)

- Document authoring, production, and management (4 papers)

- Graphical and visual information (5 papers)

- Pervasive documentation systems (6 papers).

The recipient of the 2005 Diana Award (named after Diana Patterson, past President of SIGDOC for three terms) was The British Computer Society (http://www.bcs.org). The award is given to an organization, institution, or business for their long-term contribution to the field of communication design.

Plans, arrangements, and site planning for our upcoming annual conference, SIGDOC'06, which will be held in Myrtle Beach, SC, from October 18th-20th, 2006, are well underway. The conference Website is http://www.sigdoc2006.org and lists the conference theme and invited speakers. Coastal Carolina University, SC, will host the conference which should result in reduced costs. The proposal/paper reviews have just been completed.

The SIGDOC'07 conference will be located in El Paso, TX, using on-campus facilities. David Novick of the University of Texas at El Paso will serve as the General Conference Chair and Clay Spinuzzi of the University of Texas at Austin will serve as Conference Program Chair.

_SIGDOC Website Redesign

One of the more significant efforts this year was to redesign and evaluate SIGDOC's Website (http://www.sigdoc.org/). Ashley Williams served as Webmaster for the redesign in addition to coordinating the evaluation process prior to release of the new Website. Feedback from SIGDOC members has been overwhelmingly positive.

_Publications

SIGDOC's quarterly newsletter (http://www.sigdoc.org/newsletter/current/) is e-mailed to all SIGDOC members, and archived versions of past newsletters are also available

(http://www.sigdoc.org/newsletter/archives/). The newsletter consists of news from members
(notes from the chair and from the general conference chair), future conference information,
interesting items, feature articles, and job market information.

_

Partnerships

This year, SIGDOC committed to the following in cooperation agreements:

• ACMSE'06: 44th ACM Southeast Conference, Melbourne, FL, March 10th-12th, 2006 (http://acmse2006.cs.fit.edu)

• AH'06: International Conference on Adaptive Hypermedia and Adaptive Web-Based Systems, Dublin, Ireland, June 20th-23rd, 2006 (http://www.ah2006.org)

• CNSR'06: Communications Networks and Services Research Conference, Moncton, NB, May 23rd-25th, 2006

• IWCMC'06: International Wireless Communications and Mobile Computing Conference, Vancouver, BC, July 3rd-6th, 2006

_Membership

SIGDOC currently has 316 members and this number is consistent with the ACM-wide decline in membership. The SIGDOC Website now explicitly details the benefits of joining SIGDOC (http://www.sigdoc.org/join/) in addition to encouraging existing members to volunteer (http://www.sigdoc.org/members).

_Key Issues for 2006-2007

Key issues for SIGDOC in the coming year include the following:

• To maintain and/or increase the current membership numbers (through relationships with other SIG Chairs, word-of-mouth and advocacy at other conferences, inviting new board members, and distributing the newsletter to colleagues in related disciplines)

• To begin a review of the SIGDOC Bylaws to reflect the 2003 renaming and orientation of the SIG.

• To develop a multidisciplinary research base that contributes significantly to applied efforts in communication design (in collaboration with groups such as SIGCHI and SIGGRAPH, SIGACCESS, SIGMM, SIGUCCS, SIGWEB, etc.), and

• To broaden the identity of SIGDOC to include, not only manual and documentation design, but emerging information genres such as EPSSs, intelligent tutors, query-based instruction, Web-based training, blogsheres, digital entertainment spaces.

SIGecom FY'06 Annual Report
July 2005 – June 2006
Submitted by: Michael Wellman, SIGecom Chair

SIGecom's two primary activities are its annual conference and its electronic newsletter.

The Sixth ACM Conference on Electronic Commerce (EC-05) was held in June 2005, in Vancouver. The conference attracted 77attendees, somewhat reduced from last year's event in New York City. In an effort to broaden coverage, we continued our approach of appointing two Program co-Chairs, one from an area of existing strength (Theory/AI, in this instance), and one from an area we seek to increase representation (Systems Security, in this instance). The result was some increase in security and privacy papers, while maintaining the very high quality of our core strength area of mechanism design.

One of the exciting new features of the conference was an associated workshop on Sponsored Search Auctions, organized by David Pennock (Yahoo! Research Labs). This is an extremely hot topic, which fits quite well with the traditional conference themes. Academic interest in sponsored search auctions is relatively new, however, and it is estimated that this one workshop may have doubled or even tripled the number of technical papers published on the topic.

Next year's Program co-Chairs, David Pennock (Yahoo!) and John Chuang (UC Berkeley), will continue to work on broadening the scope of EC, and are also moving to grow the conference through an expanded workshop program. The General Chair, Joan Feigenbaum (Yale), is coordinating the various conference elements. EC-06 will be held in Ann Arbor, Michigan (at the University of Michigan) in June 2006.

Our newsletter, "SIGecom Exchanges", is published three times per year in electronic format, and distributed to members and others. Our current Editor-in-Chief, Amy Greenwald (Brown U), has published four issues so far, with an especially interesting issue on Incentives in Peer-to-Peer Computing in the pipeline.

Our main challenge in the coming years continues to be broadening and expanding the SIG and the Conference. The ACM EC Conference has already established itself as the premier venue for research at the intersection of game theory and computer science, as related to economics and commerce (e.g., auctions and mechanism design). This is clearly the source of excitement at our gatherings, and the focus of the most active SIG constituency. However, the SIG leadership recognizes that this is a relatively narrow slice of the field of E-Commerce, and for the long-term vitality of the SIG we need to cover a broader scope. The 2004 and 2005 conferences reflected some broadening (e.g., many papers in the area of P2P commerce), and we look to make further progress in coming years.

SIGEVO FY'06 Annual Report
July 2005-June 2006
Submitted by: Erik D. Goodman, SIGEVO Chair

1. SIGEVO, the SIG on Genetic and Evolutionary Computation, transitioned to become a regular SIG on June 15, 2006. After 17 months as a transitional SIG, the SIGEVO bylaws were approved by ACM. This was announced at the Annual Meeting (held in conjunction with the 2006 Genetic and Evolutionary Computation Conference (GECCO-2006) on July 12, 2006, by the chair, Erik Goodman. Membership has grown, reaching 506 members as of the time of GECCO.

2. The SIGEVO Executive Committee held its first meeting at GECCO-2006. The initial board is composed of members of the Executive Board of the former society which became SIGEVO, the ISGEC. A nominating committee was appointed to begin preparing nominations for the first cohort of the board to be replaced in elections in spring, 2007.   Initial officers are John Koza (vice chair), Erick Cantu-Paz (secretary) and Wolfgang Banzhaf (treasurer).

3. The biggest news was the initiation of SIGEVO's newsletter, SIGEVOlution, with the first issues appearing in April-May and July, 2006. Editor-in-chief is Pier Luca Lanzi, and the first two issues have exceeded all expectations for both quantity and quality of content! Submission of articles and news items is sought from all SIGEVO members.

4. Many SIGEVO members voiced the opinion that GECCO-2006, just concluded in Seattle, Washington, was the best GECCO ever! Several new tracks (and review committees) were added for GECCO-2006. Attendees in the Evolutionary Computation in Practice track saw many instances described in which evolutionary computation has saved (or made) companies and other organizations large amounts of money – that kind of documentation is vital to make available to practitioners in the field. The Best Paper Award in each track was judged by attendees, after nomination of papers by reviewers, and was presented at the SIGEVO Annual Meeting.

5. Planning for the biennial Foundations of Genetic Algorithms workshop is proceeding rapidly. The conference will be held in January, 2007, in Mexico City.

6. The Executive Committee is targeting London, England for GECCO-2007, if suitable conference facilities can be arranged. Many members are excited about having GECCO held outside the U.S. for the first time. Fallback cities are also being investigated, in case costs in London prove to be prohibitive.

7. The Executive Committee approved a plan brought forward by Erik Goodman that SIGEVO sponsor a conference in Shanghai, China, in fall, 2008 or spring, 2009. The planning group hopes to spawn a biennial Asia/Pacific event that would make SIGEVO more accessible to its members and prospective members in the region. Planners are preparing a TMRF form to submit to ACM, while also seeking approval/support from sources in China.

8. The Executive Committee appointed an Awards Subcommittee to begin consideration of awards that SIGEVO might wish to sponsor. An immediate item for consideration is a successor to ISGEC's Fellows and Senior Fellows awards, which cannot be called that within an ACM SIG in order not to conflict with ACM's Fellow designation.

9. The search for a logo continues, with Lee Spector (of the EC) appointed to consider the current nominees and perhaps prepare/solicit others.

10. Several competitions were held at GECCO-2006: awards were presented at the SIGEVO Annual Meeting to winners of the TinyGA (fewest lines of code), Polynomial Prime Generation (most consecutive primes generated by an evolved polynomial expression), and Pasta Segmentation (evolve an algorithm to recognize pasta and non-pasta in an image) competitions. Another competition, the Human Competitive Results ("Humies") competition, was sponsored by Third Millennium On-Line Products, Inc., and the competition included judging prior to GECCO, brief presentations by entrants at GECCO, and announcing of the awards to be provided to winners by Third Millennium. The prizes went to:

Gold Award and $5,000: Varun Aggarwal, et al., "Catalogue of Variable Frequency and Single-Resistance-Controlled Oscillators Employing a Single Differential Difference Complementary Current Conveyor." In particular, they used evolutionary computation to generate a new oscillator with only two resistors, two capacitors, and one active element, besting the previous best design requiring three resistors instead of two.

Silver Award and $3,000: Kumara Sastry, et al., University of Illinois at Urbana-Champaign, "Multiobjective Genetic Algorithms for Multiscaling Excited State Direct Dynamics in Photochemistry." They evolved the first empirical models with sufficient accuracy to be used to predict correctly excited state dynamics in photochemical reactions.

Bronze Award and $1,000: Jie Yao, et al., Concordia University, "A Multi-Population Genetic Algorithms for Robust and Fast Ellipse Detection." The algorithm evolved dramatically outperforms prior algorithms on a variety of problems, while remaining simple and easy to implement.

Bronze Award and $1,000: Leonardo Trujillo and Gustavo Olague, Centro de Investigaci´on Cient´ıfica y de Educaci´on Superior de Ensenada (Mexico), "Using Evolution to Learn How to Perform Interest Point Detection." The algorithm for finding edges, corners, and other interest points in images outperformed many other approaches, and was devised by evolutionary means.

11. SIGEVO will continue to seek innovative ways in which it can help its members garner success in their professional work, and to expand the influence of the field, including through attraction of new members and sponsorship of additional professional activities.

SIGGRAPH FY'06 Annual Report
July 2005 – June 2006
Submitted by: G. Scott Owen, SIGGRAPH President

Organization wide activities

ASAB

We formed the ACM SIGGRAPH Advisory Board (ASAB) this past year. This group of about twenty senior people in the field represents our different communities. The purpose of the ASAB is to provide feedback and advice about different proposed initiatives and ideas. This was used by different members of the Executive Committee (EC) and the Conference Advisory Group (CAG).

Digital Arts Committee

We formed the Digital Arts Committee (DAC) composed of Masa Inakage (Chair), Hiroko Uchiyama, Jacki Morie, Kathryn Saunders, Cynthia Rubin, and Rick Barry. The objective of the DAC is to facilitate the development of the ACM SIGGRAPH Digital Arts Portal, support the genesis of symposia and workshops on Digital Arts, and to generally coordinate and support Digital Arts in ACM SIGGRAPH. The Arts portal (arts.siggraph.org) went live at the beginning of SIGGRAPH 2006.

Strategic Work

This past year both the EC and the CAG spent a considerable amount of time on strategic issues. There was an initial three day meeting in January that included both the EC, the CAG, members of ASAB, and other invited guests. Much of the March and June EC meetings was spent refining the ideas initiated at the January meeting. The three primary areas of discussion include a restructuring of the EC to move it from an operations focused group to have more of a strategic focus, issues involving membership, and issues involving the annual SIGGRAPH Conference. We will be further refining these ideas in the Fall of 2006 and will present the results as a set of documents and proposed bylaws changes in the next election.

The SIGGRAPH 2005 conference

SIGGRAPH 2005, the 32nd conference on computer graphics and interactive techniques, brought 29,122 professionals from nearly 90 countries to Los Angeles for the annual conference and exhibition 31 July - 4 August 2005. Over 250 exhibiting companies exhibited in over 70,000 net square feet of space.

SIGGRAPH 2005 exceeded expectations with an overall 4 percent increase in attendance over the previous year and close to a three percent increase in technical program attendance. One of the most striking aspects of this year's conference was the incredible diversity of uses for the technical advances in computer graphics and interactive techniques. In addition, the energy on the exhibit floor was vibrant and exhibitors reported solid interest in the computer graphics hardware and software tools on display.

George Lucas Keynotes the SIGGRAPH Conference

World-renowned director, producer, and screenwriter George Lucas presented the keynote at SIGGRAPH 2005. His talk was presented to over 5,000 attendees.

Award Winners

ACM SIGGRAPH presented three awards at the conference to recognize individuals who have made a significant contribution to the computer graphics community. Tomoyuki Nishita, University of Tokyo, was the 2005 Steven A. Coons award winner for his work in the rendering of natural phenomena. The 2005 Computer Graphics Achievement Award recipient was Jos Stam, a Senior Research Scientist at

Alais. for his work on subdivision surfaces and on fast algorithms for the simulation of natural phenomena, especially fire, fluids, and gases. Ron Fedkiw, of Stanford University, received the 2005 Significant New Researcher Award for his excellent work in advancing the use of fluid dynamics in computer graphics.

Computer Animation Festival Awards

The Computer Animation Festival jury selected "9" produced by Shane Thacker, U.S.A., for the Best of Show award. "Fallen Art" by Tomek Baginski, Poland and "La Migration Bigoudenn", Eric Castaing, Alexandre Heboyan, Fafah Togora, France, both won (Jury Honors). the attendees gave the People's Choice Award to Cubic Tragedy, by Ming-Yuan Chuan, Taiwan.

Conference content DVD set

This year we continued the Conference content DVD that we had initiated for the SIGGRAPH 2003 conference and expanded on for SIGGRAPH 2004. SOMA Media was awarded the contract to create a 5 DVD set covering the content from all of the venues that had formal presentations. The speakers were taped and their slides were captured to create a rich interactive multimedia record of the event. This was then offered for sale after the conference as a 5 DVD set. We also posted the content as streaming media in the ACM Digital Library. This content was made available to all ACM SIGGRAPH members free of charge as an additional member benefit.

Small Conferences and External Relations (Vice - President - Alyn Rockwood)

Small Conferences

ACM SIGGRAPH sponsored or co-sponsored twelve small conference and/or workshops in FY 2006. In addition we were in cooperation with many more.

We made two significant policy changes to provide better support for small conferences. The first was to make all of them pay a uniform ACM allocation, rather than have it vary arbitrarily, and we dropped the rate by several percent. This effectively means that a small conference with an expense budget of $100,000 would pay about $6,000 less for ACM services than in the past. The second change was to create a Small Conference Reserve Fund. This means that if a conference makes a profit in one year then it can write a proposal to use up to 50% of its profit for a special conference enhancement the following year. Scott Lang was appointed as External Relations Coordinator to work with and help small conference organizers.

ACM SIGGRAPH Village

The ACM SIGGRAPH Village is a venue that we organize during each annual conference to regroup all of the organizational activities and promote membership. For SIGGRAPH 2005 we assigned an official ACM SIGGRAPH Village Manager, to co-ordinate all electrical, network, AV, shipping, signage, layout, storage, equipment rental, billing, and any other considerations that may arise for the ACM SIGGRAPH teams, and guests, and our many contractors, in the village area. For the 2005 Conference, that manager was Rob Gianino, who was the Members booth manager as well. The International Resource Committee and Center was moved from being a SIGGRAPH Conference Program to an ACM SIGGRAPH Program. Kirsten Cater was appointed to lead this effort. Part of her responsibility is to be in charge of the entire SIGGRAPH Village. She is assisted by Scott Lang. Both Kirsten and Scott serve under the Vice President, Alyn Rockwood.

Gaming Alliances

We are working with members of the ACM SIGGRAPH, SIGGRAPH Conference, IGDA, Educational, and other gaming communities to form alliances. One result of this effort is **Sandbox: an ACM SIGGRAPH Video Game Symposium** which is co-located with SIGGRAPH 2006.

Developing relationships with peers

We are actively working with quality teams in related areas to form official alliances, share resources, and cross promote one another. These include AWN.com, the Visual Effects Society, SIGCHI, IGDA, and Computer Graphics World Magazine. This is an ongoing effort to strengthen ACM SIGGRAPH's role within related communities.

Membership and Communications Activities (Director for Communications - Mk Haley)

This fiscal year has been a very active one for our Director for Communications, Mk Haley. Many new initiatives were engaged with respect to our member services, online services and our web presence. The responsibilities of the Director for Communications have now been split in two: membership activities and information services. A Director for Information Services. Thierry Frey, was appointed to the Executive Committee to ensure the oversight of the ACM SIGGRAPH information services.

Branding Taskforce

Led by Director at Large Masa Inakage, we had a core team investigate the ACM SIGGRAPH brand, what it was, what it needed to be, and how we could promote ourselves. The initiative came out of our strategy meeting held in November 2004. This was a massive effort. Our most important finding is that we should perhaps hire a professional consultancy to develop a branding package for us. Out of this came a desire to more closely align the conference and the organizational programs and highlight each to the members of the other community. We chose an awareness campaign that runs across both the conference and the organization for the 2005 conference. We had several thousand rubber bracelets, each proclaiming an ACM SIGGRAPH and SIGGRAPH Conference ideal being distributed as a promotional item at our ACM SIGGRAPH member's booth on site, as well very specific bracelet being distributed to contributors in each venue on site. For example, the CREATE one is going to the art gallery contributors, INNOVATE to the papers, etc. etc. The final promotional items included: glow in the dark baby blue **CREATE** navy blue **EDUCATE**, grey **INNOVATE** orange **INTERACT** green **VOLUNTEER** red **PASSION**.

Membership Recognition

We developed a special ACM SIGGRAPH Members in long-standing award. This simple pin is the same as our silver pin with blue and red accents, however it is completely gold-toned with no colour. This is a subtle and classy way to honour our members of long-standing. We have culled our membership database to get figures and contact information for each member of 5, 10, etc years so that we can honour them. Each long standing member received a personal invitation to come to the ACM SIGGRAPH membership booth at the SIGGRAPH 2005 conference to receive their special pin.

Student Reporters Program

For the SIGGRAPH 2005 conference, we set up a crew of 5 reporters, plus one lead and one technical lead who provide reports from on site at the conference to our community. As the most often hit link for months after the conference off of siggraph.org last year, we would like to expand this program into a year round effort to provide an interesting perspective on our industry and people for us beyond just the conference. For the 2005 program we already have quite a few interviews of key people in our field online, and look forward to covering all the action as it happens on site.

Student Membership Award

Starting with the SIGGRAPH 2005 Conference, all accepted Student Volunteers were awarded a one year free membership to recognize the honor in being selected as a student volunteer. With the hard copy newsletter now no longer being printed, the cost for this per student is negligible. Hopefully we will breed enthusiastic student blood into the program, blood that will renew next year.

Career Mentoring

We have provided a service of resume and demo reel review, and general career counseling where asked. Our Director for Communications, Mk Haley, has volunteered to speak on behalf of ACM SIGGRAPH on the topic, particularly at local chapter meetings. We organize sessions on site at the conference each year for the Student Volunteers to get career advice, and then provide one on one mentoring and reviews.

CreativeHeads Job Board

We partnered with CreativeHeads.net as the official job board of ACM SIGGRAPH, and developed the weekly HeadsUp! Career Newsletter that goes out to our members.

ACM SIGGRAPH Web Site (Director for Information Services - Thierry Frey)

This year we spent a major effort in creating our new ACM SIGGRAPH web site. It has moved from static html to Plone, which is an Open Source Content Management System. The site was redesigned, with the assistance of our webmaster, Viveka Weiley, and the entire sysmgrs team. Much old content was updated and new content added. this coming year we plan to continue improving the site.

Education Committee Activities (Director for Education - Colleen Case)

The SIGGRAPH Education Committee sponsors many different projects and activities that involve volunteers from around the world. Fiscal year 2006 brought in the 22nd year of the committee. We have had three general focus areas: Curriculum Knowledge Base led by Tony Alley (Oklahoma Christian University), Community Building led by Professor Joaquim Jorge (INESC-ID Lisboa, Portugal) and Conference Activities led by Michael Mehall (Schoolcraft College). These focus areas facilitate our work groups based on the goals and objectives of the Education Committee.

Curriculum Knowledge Base

The Curriculum Knowledge Base group activities include workshops and projects that focus on the definition of a knowledge base for the computer graphics discipline. The aim is to provide a curriculum framework and similar materials that will aid instructors and institutions working to develop or enhance academic programs in computer graphics. This year, we continue with the work of past forums and workshops led by Gary Bertoline, Cary Laxer, and Frank Brattain. A working group of nine participants with diverse educational backgrounds and experiences will endeavor to add detail to the broad framework generated over the last two years. Support also continues for Gitta Domik's important work on the development of guidelines and materials for curricula and courses in the area of computer-generated visualizations.

CGEMS

CGEMS, the Computer Graphics Educational Materials Source, aims at supporting a worldwide community of Computer Graphics educators. Our goal in developing the service is to provide a means for educators work to be appraised and disseminated to other members of the community through an online server for refereed educational content. SIGGRAPH Academic Information Index Introduced to the graphics community at the SIGGRAPH 2004 conference, the SIGGRAPH Academic Information Index (AII) fulfills and extends the goals of the previous Education Directory. The AII is an online resource that provides information concerning curricula in computer graphics for SIGGRAPHs three primary audiences: students, educators and professionals.

SPACE-TIME Student Competition

The Poster/Print portion of the SIGGRAPH Student SPACE-TIME Competition for 2005 is a display of excellent design and technical proficiency. This years SIGGRAPH Education Committee sponsored competition was based on a theme of "Bring Your Brain". Submissions reflected a broad range of

interpretations of this years theme. After premiering at SIGGRAPH 2005 the show was made available for viewing around the world. For more information, please visit our Education Committee Website.

Chapter Activities (Director for Chapters - Fran McAfee)

The major goal of the past year was to bring the chapters into the mainstream of the ACM and ACM SIGGRAPH community. This turned out to be a greater task than first anticipated. However, as of late ACM has added some benefits to chapters along with online accounts to help chapter leaders track membership and update chapter information. More coordinated efforts should lead to an improved membership model as well.

Growth was moderated while we upheld standards of conduct for the chapters in regard to activity, professionalism, and viability. We continued to charter new chapters while designating several unproductive chapters with "inactive" status. Of course, if there is some effort being made to revive these chapters we will support them as much as possible.

A complete listing of existing chapters can be found at http://chapters.siggraph.org/. This public portion of the site also lists the upcoming and past chapter events, indicates how one can start a chapter, and presents some general information about the PSCC. Chapter leaders have access to a private section that presents all the information needed to run their chapter effectively.

The chapters program continues to be a successful ACM SIGGRAPH endeavor. It continues to grow and improve. We have added the Traveling Art Show, continued to monitor chapter growth and activity, and learned a good deal about membership issues.

Professional and Student Chapters Committee (PSCC)

The members of the PSCC help the ACM SIGGRAPH Director for Chapters in his role as the liaison between the chapters and ACM SIGGRAPH. With more than seventy active chapters worldwide, a single person can no longer fulfill this role. The PSCC met in March in Fort Lauderdale. This meeting is a means to assess the situation of the chapters halfway through the program year. We focused on the chapters committee's role in support of chapters worldwide, creating better coordination of chapter members with the organization as well as the SIGGRAPH conference. We also planned conference activities and adjusted policy for regulating chapter's responsibilities.

Traveling Art Show

This year the Traveling Art Show (TAS) was moved under the Director for Chapters oversight. There were some significant issues involved with the shipping and crating company. As of June, Cooke's Crating has been replaced with Fine Art Shipping. The Chair of TAS, Lina Yamaguchi, should be commended for her hard effort in re-writing the artists agreement, negotiating with Fine Art Shipping, and maintaining a professional relationship with Cooke's Crating during the transition process. Her efforts assure that we can be more efficient in the future. Erica Johnson was also instrumental in financial and organizational issues. The coming year will present challenges in eliminating inventory that has built up over the past several years. Shipping artwork can be costly and there are several shows to be shipped back to contributing artists.

SIGGRAPH 2005 Conference Activities

The annual conference is the only occasion for a majority of local chapters to get together in the same place. Therefore it is a major event for our chapter leaders to make contacts and plan for their year-round activities. During the SIGGRAPH 2005 conference in LA, we gathered at the tenth Chapters Development Workshop. We had over seventy representatives from thirty-five different professional and student chapters. We were able to discuss many different topics, such as content management systems (Plone), CAWA, the future of ACM SIGGRAPH and SIGGRAPH as seen by the chapters. The workshop is also an opportunity for chapter leaders to meet informally with volunteers from the conference and the organization (EC, CAG, Conference Committee, etc.).

The other events of the week focus on outreach to conference attendees. The professional chapters start-up meeting, the student chapters start-up meeting were well attended, and the Chapters Booth saw many attendees come and inquire about our activities in general, and the existence of a chapter in their area in particular. The Chapters Party, held at the Mayan, the LA mainstay for many social gatherings, saw over 2,700 attendees. Lastly, we invited all of the student volunteers (SV) to come and learn about the chapters, the organization and the conference over lunch. Walt Disney's featured guest speaker was also a former SV. After having some issues with the LACC for this luncheon we've opted out for S2005, we plan to get involved again in Boston for S2006 as this helps in outreach activities to our future SIGGRAPH leaders. We have been a little more serious in talks to potential start-up chapters to ensure that they in turn are serious and responsible. Lots of time and energy goes into building these new SIGGRAPH communities and there must be a strong commitment in the early stages of chapter development

The Rest of the Year

During the 2005/2006 program year there were over 100 events organized by the chapters around the world. The range of activities is very wide: conferences, round tables, video screenings, art shows, site visits, promotion of the annual conference, and boot camps. More and more, chapters organize events with other organizations in their areas and communities. The screening of the Electronic Theater program remains the number one event, often attended by large audiences of 100 persons or more. Some chapters hosted small seminars, others shared meetings with other organizations such as software user groups and local chapters of other computer graphics related organizations (IGDA, etc).

CAWA and ACM Electronic Services

In 2003 Thierry Frey developed a web application to help chapter leaders in the day-to-day administrative tasks. CAWA, (Chapter Administration Web Application), allows chapter officers to maintain the chapter's contact information, as well as that of the officers and members, publicize their upcoming events, maintain a history of past events, and prepare their annual reports. Migrating CAWA to the information system of ACM has continued. This will develop a closer coordination of benefits and membership data between the chapters and ACM.

Nominations and Elections (Past President - Alain Chesnais)

The major responsibilities of the ACM SIGGRAPH Past President, Alain Chesnais, are to chair the Nominations Committee and manage the election process.

The other members of the Nominations Committee were Eugene Fiume, Scott Lang and Bonnie Mitchell. The committee held many candidate interviews during the week of the SIGGRAPH 2005 conference and continued for a few weeks afterwards talking to potential candidates by telephone and email. As is usually the case, there were more good potential candidates than we had positions to fill. This is good for ACM SIGGRAPH but difficult for the Nominating Committee. The following excellent slate of candidates was selected: Jeff Jortner and Jamie Mohler for Treasurer, Gary Bertoline and Rick Barry for Director for Education, and Tom Appoloni, Jim Kilmer, and Sue Gollifer for Director at Large. The winning candidates were Jeff Jortner, Rick Barry and Jim Kilmer.

The Past President proposed, and the EC approved, several new Nominations Process polices to ensure a more open and public process.

SIGIR FY'06 Annual Report
July 2005-June 2006
Submitted by: Jamie Callan, SIGIR Chair

Introduction

July 2005 – June 2006 was another busy and productive year for SIGIR. Overall, SIGIR is healthy financially, membership is stable, the SIG has an active group of officers and volunteers, and it continues to develop new initiatives and services.

Membership Dues

Last year SIGIR raised its membership dues for the first time in many years. Membership dues now approximately cover the costs of membership for all member categories except the Proceedings Package, which still loses money. The EC will try to reduce the costs of the JCDL and CIKM proceedings that comprise this package. If necessary, the price of this package will be increased again in two years to cover costs.

Finances

Based on preliminary figures from ACM, SIGIR's finances for the last year can be summarized as:

Income:	477,131	(US$)
Expenses:	515,996	
Net:	-38,865	
Fund balance:	431,033	

Usually the Executive Committee attempts to run a "break even" budget in which SIGIR neither gains nor loses much money. This is the first time in many years that SIGIR has had a significant financial loss. Although the financial results are preliminary and may change, our initial assessment is that the size of the loss was caused by a combination of three factors. First, spending on student travel awards was $10,000 higher than usual, due to the high cost of traveling to Brazil from all of our membership regions. The Executive Committee viewed this as a worthwhile one-time expense, even if it required spending from our fund balance. Second, income from all of our sponsored conferences was about $25K lower than expected, for a variety of reasons: SIGIR 2005 profit was affected by unfavorable currency conversions, JCDL has made no real profit for two years, and CIKM 2005 profit has not yet been reported or credited to SIGIR's account. Finally, the recent dues increase is just beginning to take effect, so the increased income has not yet had a significant effect.

The Executive Committee expects that this large deficit was a one-time event, and that SIGIR will return to "break even" budgets next year.

Overall, SIGIR remains extremely healthy financially. Our conferences are generally profitable, and we have a large fund balance.

Conferences

SIGIR sponsors, co-sponsors and cooperates with other technical groups on several conferences and workshops during the year. The main conference is the annual SIGIR conference. SIGIR also co-sponsors two other ACM conferences, CIKM and JCDL.

SIGIR.
The Twenty Eighth Annual ACM SIGIR International Conference on Research and Development in Information Retrieval, SIGIR'05, was held in Salvador, Brazil August 15 – July 19, 2005. This was the first time the conference has been held in South America, and only the second time it has been held outside of North America or Europe. Key positions and statistics are summarized below.

General Chairs:	Ricardo Baeza-Yates and Nivio Ziviani.
Program Chairs:	Gary Marchionini, Alistair Moffat, and John Tait.
Technical Content:	71 papers, 53 posters, 12 demonstrations, 7 tutorials, 7 workshops.
Keynote Speakers:	*The Portinari Project - IR helps Art and Culture* by João Candido Portinari; *Blogging: A New Computer Eyes, Innovation and Identities Projection* by

Fernando Flores; and *Challenges in Running a Commercial Search Engine* by Amit Singhal.

Best Paper: *Learning to Estimate Query Difficulty (Including Applications to Missing Content Detection and Distributed Information Retrieval)* by Elad Yom-Tov, Shai Fine, David Carmel, and Adam Darlow.

Best Student Paper: *A Markov Random Field Model for Term Dependencies* by Donald Metzler and Bruce Croft.

Community Support: Doctoral forum, Mentoring program, Student travel grants

Attendance: 341 for the conference and workshops.

Finances: The conference made a profit of US$ 12,561.

Boston was selected as the site of the 2009 SIGIR conference.

CIKM

The Fourteenth International Conference on Information and Knowledge, CIKM'05, was held in Bremen, Germany, October 31-November 5, 2005. This was the first time that the conference has been held outside of North America. Key positions and statistics are summarized below.

General Chair: Otthein Herzog

Program Chairs: Hans-Jörg Schek, Norbert Fuhr, Abdur Chowdhury, Wilfried Teiken

Technical Content: 77 papers, 86 posters, 6 tutorials, 7 workshops

Keynote Speakers: *From Bits and Bytes to Information and Knowledge* by Thomas Hofmann; *Emerging Data Management Systems: Close-Up and Personal* by Yannis Ioannidis; and *Leonardo's Laptop: Human Needs and the New Computing Technologies* by Ben Shneiderman

Community Support: Student travel grants

Attendance: Not yet reported.

Finances: Not yet reported.

In 2006 SIGWEB will join SIGIR as a co-sponsor of the CIKM conference.

JCDL.

The Fifth Joint ACM/IEEE Conference on Digital Libraries, JCDL'05, was held in Denver, Colorado, June 7-11, 2005. The 2005 conference was co-sponsored by ACM (SIGIR and SIGWEB) and IEEE (TCDL). Key positions and statistics are summarized below.

General Chair: Mary Marlino

Program Chairs: Tamara Sumner and Frank Shipman

Technical Content: 59 papers, 41 posters, 15 demonstrations, 5 tutorials, 5 workshops

Keynote Speakers: Deanna Marcum, Guy (Bud) Tribble, and Hector Garcia-Molina

Vannevar Bush Award: *Developing practical automatic metadata assignment and evaluation tools for internet resources* by Gordon W. Paynter

Best Student Paper: *Meaningful presentations of photo libraries: rationale and applications of bi-level radial quantum layouts* by Jack Kustanowitz and Ben Shneiderman

Best Int'l Paper: *Digital libraries' support for the user's 'information journey'* by Anne Adams and Ann Blandford

Community Support: Doctoral forum

Attendance: 295.

Finances: The conference made a profit of US$ 384. SIGIR's share was US$ 127.

The Sixth Joint ACM/IEEE Conference on Digital Libraries, JCDL'06, was held in Chapel Hill, North Carolina, June 11-15, 2006. The 2006 conference was co-sponsored by ACM (SIGIR and SIGWEB) and IEEE (TCDL).   Key positions and statistics are summarized below.

General Chair: Gary Marchionini

Program Chairs: Michael Nelson and Cathy Marshall

Technical Content: 57 papers, 37 posters, 13 demonstrations, 8 tutorials, 5 workshops

Keynote Speakers: *Getting Books Online: Practices and Strategies* by Daniel Clancy, David Ferriero, and Daniel Greenstein; and *Open Information: Redaction, Restriction, and Removal* by Jonathan Zittrain.

Vannevar Bush Award: *Metadata Aggregation and "Automated Digital Libraries:" A Retrospective on the NSDL Experience* by Carl Lagoze, Tim Cornwell, Naomi Dushay, Dean Ecktrom, Dean Krafft and John Saylor

Best Student Paper: *Building EcoPod: A Mobile Tool for Community Based Biodiversity Collection* by YuanYuan Yu, Jeannie Stamberger, Aswath Manoharan, and Andreas Paepcke

Community Support: Doctoral forum

Attendance: Not yet reported.

Finances: Not yet reported.

In Cooperation

In addition the three ACM conferences that SIGIR sponsors, we "cooperate" with several other IR-related conferences but have no financial stake in them. These conferences compliment the technical focus of our own conferences, and include work on hypertext, multimedia, adaptive systems, etc. As a cooperating society, SIGIR members obtained reduced registration fees and other member benefits at these conferences.   This past year, SIGIR had "in cooperation" agreements with: CORIA 2005 (COnférence en Recherche Information et Applications), ECIR 2006 (European Conference on Information Retrieval), and SPIRE 2005 (String Processing and Information Retrieval).

Publications

The SIGIR Web site is maintained by SIGIR's Information Officer, Mounia Lalmas. It provides timely information about SIGIR-sponsored conferences, "in cooperation" conferences, and SIGIR activities, as well as Business Meeting slides, the annual report, and other information about how SIGIR operates. In addition to providing information about the organization, the SIGIR web site also hosts the SIGIR Forum and SIG-IRList sites.

The SIGIR Forum is co-edited by Peter Anick and Ian Ruthven. The Forum is published three times a year.   The Special issue is the SIGIR Proceedings; the December and June issues cover IR conferences, workshops and symposia, as well as in depth essays based on the Salton Award Lecture and keynote addresses, and current research trends.   The Forum appears both online (http://www.acm.org/sigir/forum/) and in paper. 2006 will be the last year that the Special issue is provided on paper; beginning in 2007 it will be provided in CD or DVD format.

The SIG-IRList is a SIGIR-sponsored electronic newsletter, edited by Raman Chandrasekar (http://www.acm.org/sigir/sigirlist/). The SIG-IRList provides a regular newsletter of IR information and nicely compliments the archival publication SIGIR Forum. The SIG-IRList contains job announcements, notices of publications, conferences, workshops, calls for participation, and project announcements.

Membership and Membership Programs

After growing for five years, the number of SIGIR members declined last year from 1,363 to 1,238 – a 9% drop. The reasons for this steep decline are not clear. The Executive Committee has several hypotheses, some benign, some less benign, which will be investigated during the next year.

SIGIR-sponsored conferences continue to have solid attendance. Attendance at the SIGIR conference continues to increase; CIKM and JCDL have stable attendance.

Some new membership services have been developed to attract new members and to provide better service to our continuing members. We continue to look for other ways to enhance our membership benefits, including a more active publicity campaign, offering new online membership services, and developing stronger ties with related organizations including more joint meetings.

SIGIR offers two Member Plus packages.   These programs offer the basic benefits of SIGIR membership, including the SIGIR Forum and SIGIR Proceedings, plus additional benefits. The SIGIR Proceedings Package includes paper copies of the CIKM and JCDL conference proceedings. The

SIGIR Digital Symposium Collection (DiSC) package includes a DVD containing proceedings from a wide range of IR- and DB-related conferences (including SIGIR, CIKM, JCDL, SIGMOD, and SIGKDD), and newsletters from a wide range of ACM SIGs (including SIGIR and SIGMOD). Interest in the Proceedings Package stabilized at 157 this year (1% growth). In its first full year, the DiSC package attracted 57 members.

From a financial perspective, SIGIR loses money on the Proceedings Package, even after the recent dues increase. The EC is working to reduce the program's costs, and encouraging members to transition to the new DiSC package. If the Proceedings Package program is not at breakeven in two years, we will increase costs again. SIGIR breaks even on the DiSC package. This package is cheaper and more comprehensive than the Proceedings Package, so we expect it to be popular, and perhaps eventually to replace the Proceedings Package.

Awards

The Awards Committee, chaired by Alistair Moffat, identifies distinguished members of the IR community that are eligible for ACM awards. The IR community has not historically been award-oriented, and it is not our goal to change this tradition in a major way. However, the Executive Committee believes that some recognition of the intellectual leaders of the IR community is both deserved and healthy for the field.

Note that to be eligible for an ACM award, one must be a member of ACM, usually for several (e.g., five) years. Some prominent members of the IR field don't meet this requirement, thus their contributions must be recognized in other ways.

Summary

SIGIR had a productive and successful year, with important intellectual and social contributions. Our conferences have been successful in all senses (with strong technical content and good international participation), and our financial situation is quite healthy. Perhaps most importantly, we continue to have very strong participation in ACM SIGIR by the international IR community, especially in a willingness to serve as volunteers for conference and SIG-related activities. The Executive Committee thanks the IR community for its help during the last year.

SIGITE FY'06 Annual Report
July 2005 – June 2006
Submitted by: Han Reichgelt, Chair SIGITE

FY2006 was the first year of the newly elected administration for SIGITE. By and large the year proved successful, and SIGITE achieved many of the goals it had set itself.

Conference

Despite some issues that forced the relatively late relocation of the conference to New Jersey, the conference was highly successful. SIGITE is thankful for Rob Friedman of the New Jersey Institute of Technology who had primary responsibility for local arrangements and Kathy Burnett of Florida State University who oversaw the paper review process. Both worked extremely hard in sometimes adverse conditions to make the conference a success.

The conference attracted around 160 attendees from roughly 80 institutions, a slight increase from the previous year. The conference also attracted a larger number of international attendees and attendees from community colleges than before.

The original call for abstracts attracted 130 submissions, of which 61 were eventually accepted as full papers and 20 as posters. As a consequence of the relatively low acceptance rate, papers seemed to be of high quality.

The conference was preceded by a day of workshops, which covered a range of technical topics as well as accreditation and assessment.

Finances

SIGITE continues to enjoy a healthy financial position. The closing balance for the financial year was around $45,500, an increase of more than $10,000 over the previous year. The growth in funds was due to a modest profit for the conference (about $5,000) with the remainder being generated out of the surplus of income from dues, the digital library and other sources over operating expenses.

Membership

SIGITE's membership slightly increased during the year. At the beginning of June 2006, SIGITE had 448 members, up from 405 the year before. In order to increase the membership further, SIGITE has started a membership initiative. It is also taking steps to further increase communication with its membership through a re-design of its Web site. In addition, SIGITE started a monthly news bulletin, as a complement to its semi-annual newsletter. Whereas the newsletter is becoming more of a vehicle for members of SIGITE to share their research results, the news bulletin primarily consists of short items aimed at keeping the membership informed of the various activities that SIGITE is undertaking.

Activities

The highlight of the year was the promulgation of the IT model curriculum in 2005. This initiative started shortly after the establishment of SIGITE in October 2003, and was successfully completed in October 2005. The IT model curriculum is part of the ACM/IEE/AIS Computing Curricula Series and is available from the ACM web site, where interested parties can also comment on the draft. SIGITE also make a significant contribution to the recently published Computing Curricula Overview Report, and is currently working on an IT model curriculum for 2 year colleges.

SIGITE also started a survey of IT programs, similar in intent to the Taulbee survey for programs in Computer Science. It had become clear that there was a dearth of information on IT programs. Unfortunately, the response rate to the Web-based Survey of IT programs has been disappointingly low and SIGITE is working on increasing the participation rate.

SIGITE is also engaged in a number of additional projects, some of which have an internal focus, while others have an external focus. Among the projects with an internal focus are the creation of a SIGITE operations manual, aimed at recording various operations and decisions in the hope that this will make future leadership transitions less difficult, and an initiative to further improve communication with the membership. Among the projects with an external focus are a project to increase the participation of women in the profession, and a project to formulate an IT Exit Exam based on the IT model curriculum and similar to the IS Exit Exam. SIGITE is also making an effort to reach out to IT students.

Future Challenges

Although SIGITE is in a healthy state at the moment, the number of volunteers actively contributing to SIGITE's various initiatives and projects is growing slowly. It is incumbent on the organization in general and the current leadership in particular, to increase the number of volunteers. Clearly, this requires improved communication with the membership and both the establishment of the news bulletin and the ongoing communications project are aimed at addressing this concern.

SIGKDD FY'06 Annual Report
July 2005-June 2006
Submitted by: Gregory Piatetsky, SIGKDD Chair

1. Annual Awards

The 2005 ACM SIGKDD Service Award was given to the Weka team for their development of the freely available Weka Data Mining Software, including the accompanying book Data Mining: Practical Machine Learning Tools and Techniques (now in second edition) and much other documentation.
The 2006 ACM SIGKDD Service Award was given to Won Kim, for his key role in founding and growing ACM SIGKDD.

The 2005 ACM SIGKDD Innovation Award was given to Leo Breiman for being one of the founding fathers of modern machine learning and data mining. He has been actively contributing to these fields, as well as to statistics, for more than 30 years. His best known contribution is his landmark work on decision trees (Classification and Regression Trees, 1984, known as CART(R)), written with Jerome Friedman, Richard Olshen, and Charles Stone.
The 2006 ACM SIGKDD Innovation Award was given to Ramakrishnan Srikant for his seminal work on mining association rules and privacy preserving data mining.

2. Significant Publications

The SIGKDD 2005 annual conference is maintaining its position as the leading conference on data mining and knowledge discovery. The KDD-2005 conference published 76 high quality papers on important research areas including Temporal Mining, Privacy, Cost Sensitive Learning, Streaming Data, Ensemble Learning, Graph Mining, Clustering and Grouping, Support Vector Machines, Text and Web Mining, Associations, and Novel Learning Algorithms.

An excellent Industry Track had papers on E-Commerce, Sequence Mining, Anomaly Detection, and Document Analysis.

There were also 9 KDD-05 workshops which produced proceeding in these important areas:

  * Data Mining Methods for Anomaly Detection
  * OSDM 2005: Open Source Data Mining
  * UBDM 2005: Utility-Based Data Mining
  * MRDM 2005: Multi-Relational Data Mining
  * BIOKDD 2005: Data Mining in Bioinformatics
  * DM-SSP 2005: Data Mining Standards, Services, and Platforms
  * WebKDD 2005: Taming Evolving, Expanding and Multi-faceted Web Clickstreams
  * LinkKDD 2005: Link Discovery: Issues, Approaches and Applications
  * Multimedia Data Mining: "Mining Integrated Media and Complex Data"

SIGKDD Explorations published two excellent issues:

Dec 2005 7(2) Issue with the focus on Link Mining, and June 2006 8(1) Issue with the focus on Successful Real-World Data Mining Applications.

3. Significant programs that provided a springboard for further technical efforts

SIGKDD Curriculum committee, lead by Jiawei Han program has published its recommended curriculum for teaching data mining on SIGKDD website - see
http://www.acm.org/sigs/sigkdd/curriculum.php .

The KDD chapters program did not see much formal action, but there is a promising local chapter of ACM in San Francisco Bay area which organized several data mining related talks.

4. Innovative programs which provide service to some part of your technical community

In addition to previously mention programs (see question 3), SIGKDD is considering a program to launch a series of webcasts on topics relating to data mining.

SIGKDD is also considering creation of SIGKDD Best Dissertation Award.

5 A very brief summary for the key issues that the membership of that SIG will have to deal with in the next 2-3 years.

SIGKDD had an election in 2005 which lead to replacement of most of the Executive Committee, but the new EC has adapted well.

Due to rising industry demand for data miners (as indicated. e.g. by the record number of job ads in KDnuggets job section in 2006 Q1 and Q2), it is getting harder to find willing volunteers.

A major challenge continues to be finding a good location for upcoming KDD conferences with the local willing and able general chair.

SIGMETRICS FY'06 Annual Report
July 2005 - June 2006
Submitted by: Albert Greenberg, SIGMETRICS Chair

SIGMETRICS had a good year.

The SIGMETRICS conference continues to be a high quality conference. We continue to receive a large number of submissions, and our acceptance rate at the 2006 conference was approximately 13%. Several workshops are now included as part of the conference's tutorials/workshops program (not all of these occur every year). These workshops include: Workshop on MAthematical performance Modeling and Analysis (MAMA), Workshop on Tackling Computer Systems Problems with Machine Learning Techniques (SysML), Workshop on Advanced Internet Charging and QoS Technologies (ICQT'06), and Workshop on Job Scheduling Strategies for Parallel Processing. We continue to support student travel through industrial funds. Conference and workshop attendance were higher than the previous year.

The SIG is now supporting and is also in cooperation with several other conferences, in addition to its main one, including ACM SenSys and WOSP (International Workshop on Software and Performance). Professor Dick Muntz of UCLA was selected as the recipient of the SIGMETRICS Achievement Award, in recognition of his pioneering contributions to performance modeling, especially the landmark enabling of the modern theory of queueing networks.
In 2006, ACM approved our application to name the SIGMETRICS best student paper award after Professor Ken Sevcik, a former SIGMETRICS Achievement Award winner, and one of the leading lights of our community. The SIG is exploring the creation of a new award for rising stars in our community, e.g., at most 7-10 years post PhD.

SIGMETRICS has a few unique challenges that we would like to work on during the next 2-3 years.

First, being a SIG that is specifically designed to bridge systems research and analytical performance research, means that SIGMETRICS is in the difficult position of having to satisfy the needs of two, often disparate, communities. Thus far SIGMETRICS has done a fantastic job of being well-known in both communities as being a tier-1 conference, however this is something that we need to continue to work on. One approach that we're taking this year is to be more inclusive of both communities by attempting to accept a few more papers, possibly via some limited parallel tracks.

Second, since a large portion of analytical performance research today is being done in Europe, rather than the U.S., SIGMETRICS needs to always be working on increasing its presence in Europe. Our existing solution is to have a joint conference with Performance every 3 years. A more recent improvement (over the past 3 years) has been to move our PC meeting to New York City, which is more accessible to Europeans and allows more Europeans to attend our Technical Program Committee (TPC) meeting. We are also reaching out to the Informs Applied Probability community, whose membership includes many Europeans, by advertising SIGMETRICS there and by including more Informs members on the TPC.

Third, SIGMETRICS has always prided itself on being a SIG that emphasizes the application of theory into computer systems design. To be most effective in this goal, SIGMETRICS needs to greatly increase its visibility to companies and get continued industrial support. We have been working hard in this area. Our 2006 conference received funding from: VMWare, Microsoft Research, Intel, HP, FranceTelecom, and IFIP WG 7.3. For our 2007 conference, we have already secured funding from Google, and are asking our previous supporters for funding as well. Finding a steady source of industrial support is a long-term goal for our SIG.

SIGMICRO FY'06 ANNUAL REPORT
July 2005-June 2006
Submitted by: Thomas M. Conte, SIGMICRO Chair

The following are the highlights of SIGMICRO's activities during the fiscal year 2006.

SIGMICRO CONFERENCE ACTIVITIES

SIGMICRO has been expanding its conference portfolio with new high quality conferences. We have gone from 1 conference (MICRO) to 5 conferences in the recent years (MICRO, CASES, CGO, CF, SASP).

MICRO-38: SIGMICRO's flagship conference, the International Symposium on Microarchitecture (MICRO-38), was held from November 12-16, 2005 in Barcelona, Spain. (http://www.microarch.org/micro38). 147 papers were submitted out of which 29 were accepted. There were in excess of 250 total attendees. The general chairs were Paolo Faraboschi (Hewlett Packard) and Gabby Silberman (Computer Associates), and the PC chairs were Mateo Valero (UPC Barcelona), and Alex Viedenbaum (U. California, Irvine). The keynote speakers were Jim Kahle (IBM) and Norm Jouppi (Hewlett Packard). The conference included an excursion to the world famous Salvador Dali museum in Figueres, Spain followed by a reception at the Castello de Perelada vineyards.

CGO 2006: Code Generation and Optimization 2005 was held March 26-29, 2006 in New York City, New York (http://www.cgo.org/cgo2006). This conference is now well established and in its fourth year. The general chairs were Jong-Deok Choi (IBM) and David August (Princeton U.). I had the pleasure of serving as the program chair (Tom Conte, NC State Univ.) CGO received 80 submissions, consistent with prior years, and accepted 32 papers in all. Keynotes were by Wei Li of Intel and Kevin Stoodley of IBM. As a first, CGO was held immediately prior to the SIGPLAN PPOPP conference. As such, PPOPP and CGO shared a third keynote (on the last day of CGO and the first day of PPOPP) given by Guy Steele (Sun Microsystems).

CASES 2005: SIGMICRO again has co-sponsored, for the third time, the International Conference on Compilers, Architecture and Synthesis on Embedded Systems (CASES 2005, http://www.casesconference.org), which took place from September 24 to 27, 2005 San Francisco, CA. The general co-chairs Paolo Faraboschi (Hewlett Packard) and myself (Tom Conte, NC State Univ.). The program co-chairs were Walid Najjar (UC Irvine) and Bill Mangione-Smith (UCLA). The keynote speakers were Michael Wolfe (STMicroelectronics) and Markus Levy (EEMBC). 98 papers were submitted of which 32 were selected.

The international conference, Computing Frontiers (http://www.computingfrontiers.org), was held for the third successful year, in the picturesque island of Ischia, Italy, from May 2 to 5, 2005. CF brought together leading researchers from cutting edge areas. Computing Frontiers aims to achieve interdisciplinary innovation and synergism. This year's conference included a special session on dependability issues, as well as keynote speeches by Michael Gschwind (IBM T.J. Watson Research Center) and Jonathan Mills (Indiana University). The general chairs were Monica Alderighi (INAF–IASF) and Valentina Salapura (IBM). Program chair was Sally A. McKee (Cornell University)

MAILINGS
SIGMICRO sent an informative compact disk to all of its members containing the proceedings (and presentation slides) of the last several years of SIGMICRO-sponsored conferences. This valuable resource was assembled by Kemal Ebcioglu (consultant) and Erik Altman (IBM), along with my help.

LEADERSHIP
Chair: Tom Conte (NCSU)
Vice-Chair: Erik Altman (IBM)
Secretary-Treasurer: David Kaeli (Northeastern U.)
Members-at-Large: Jim Dehnert (Google)
Lizy John (UT Austin)
Sally McKee (Cornell U.)

SIGMIS FY'06 Annual Report
July 2005 - June 2006
Submitted by: Janice C. Sipior, SIGMIS Chair

Mission and Overview

SIGMIS is the Special Interest Group on Management Information Systems of the ACM. Members of SIGMIS are interested in information systems and technologies for management and the management of these systems and technologies. SIGMIS was founded in 1961 as the Special Interest Group on Business Data Processing and later was known as the Special Interest Group on Business Information Technology. Today, SIGMIS has over 650 members throughout the world. SIGMIS publishes *The Data Base for Advances in Information Systems* (*Data Base,* for short) and holds the annual SIGMIS CPR conference dedicated to computer personnel research. SIGMIS also participates in the annual International Conference on Information Systems (ICIS) and the annual International Federation for Information Processing (IFIP), and other conferences. SIGMIS promotes student achievement, is a cofounder of ISWorld Net, and partners with other organizations to provide services to members and to the profession.

Summary of Recent Accomplishments

During the last FY'06, some of the major events and accomplishments of SIGMIS include:

- Held the SIGMIS CPR Conference April 13-15, 2006 in Pomona, California USA
    - Awarded the "Magid Igbaria Outstanding Conference Paper of the Year Award"
- In-cooperation with the International Conference on Information Systems (ICIS2005) December 11-14, 2005 in Las Vegas, Nevada USA
    - Sponsored the Doctoral Dissertation Paper Award
    - Held the fifth annual reception for SIGMIS members at ICIS2005
- Continued to represent ACM as a member of a select group to develop model curriculum for education in IS, both at the undergraduate and graduate level
- Continued to fund a representative to the International Federation for Information Processing (IFIP)

1. Awards

Beginning with the ICIS 1995, SIGMIS became the sponsor of the ICIS MIS Doctoral Dissertation Award. In 2005, the award was given to Zan Huang, for his work entitled, "A Unified Recommendation Framework Based on Probabilistic Relational Models," based on his dissertation completed at the University of Arizona.

The recipients of the "Magid Igbaria Outstanding Conference Paper of the Year Award" at the 2006 SIGMIS CPR Conference are Margaret F. Reid, Myria W. Allen, Cynthia K. Riemenschneider, and Deborah J. Armstrong for their paper, "Affective Commitment in the Public Sector: The Case of IT Employees."

2. Papers

SIGMIS held the SIGMIS CPR Conference April 13-15, 2006 in Pomona, California USA. The conference program is available from the SIGMIS website at: http://www.sigmis.org/Final%20Schedule-2.htm.

Additionally, SIGMIS publishes *The Data Base for Advances in Information Systems* (*Data Base,* for short), a quarterly peer-reviewed journal devoted to communicating advances in research and best practice in MIS. For the current and previous issues of *Data Base*, please visit the SIGMIS website or http://hsb.baylor.edu/database.

3. Programs

To promote professional interaction among SIGMIS members, the fifth annual reception at the International Conference on Information Systems (ICIS2005) was held on Saturday, December 10, 2005 in Las Vegas, Nevada USA, just prior to the conference December 11-14, 2005.

To be more inclusive globally, we are developing a new relationship with colleagues in Central Europe. This relationship began with sponsorship of the 9th International Conference on Business Information Systems, held May 31-June 2, 2006, in Klagenfurt, Austria. We are working with members of the Program Committee to include the proceedings in the ACM DL and hope to initiate a local SIGMIS chapter to further our relationship.

4. Service to MIS Community

In conjunction with representatives of the Association for Information Technology Professionals (AITP) and the Association for Information Systems (AIS), SIGMIS has been involved in the development of model curriculum for education in information systems both at the undergraduate and graduate levels.

Additionally, the ACM and the IEEE Computing Society are founders of the International Federation for Information Processing (IFIP). IFIP acts on behalf of member societies in carrying out international cooperation to advance the information processing profession. SIGMIS continues to fund the attendance of the ACM's representative for one of the annual meetings of IFIP to promote involvement among the membership of SIGMIS and IFIP.

5. Key Issues

Advance planning for the annual CPR Conference continues to be a concern. Success of the conference requires both securing future conference program committees and attracting members to attend. With encouragement, a co-Publicity Chair thankfully sent a Call for Papers for the 2007 conference to the SIGMIS listserv June 12, 2006. However, neither the host nor the conference program committee for 2008 has been secured to date. The CPR Committee Chair was prompted on June 14, 2006 to secure a host. Advance planning must be taken.

We hope to be more inclusive globally. A new relationship is being forged with colleagues in Central Europe. We look forward to further developing this relationship.

SIGMM FY'06 ANNUAL REPORT
July 2005-June 2006
Submitted by: Ramesh Jain, SIGMM Chair

Conference/Workshop Program Highlights

ACM Multimedia 2005 was held at the Hilton Hotel in Singapore from November 6-11, 2005. This is the first time that the conference was held in Asia and we were naturally anxious about quality of and attendance to this conference. We were happy to have a record number of paper submissions, good quality and variety of program, and one of the best organized conferences.

Prof. Tat-Seng Chua of National University of Singapore and Dr. Hong-Jiang Zhang of Microsoft Research Asia were the general chair persons for the conference. They assembled and supervised an excellent team of people. The team is listed in Appendix A with their responsibilities.

The conference was attended by 321 paid attendees, 57 complimentary participants (20 student fellowships, 2 complimentary attendees, and 35 volunteers), 160 Workshop attendees, and 131 Tutorial attendees. These numbers are slightly below the last year's conference in New York, NY. It is not easy to duplicate New York and given that this was the first conference in Asia, we are very pleased by the attendance. Net income was about $43,573.71, which was distributed to the supporting SIGs according to their participation:

<div align="center">

SIGGRAPH (15%)

SIGMM (85%)

</div>

Tutorials

The conference included 4 tutorials as follows:

- <u>T1</u> (Full day): Multimedia Collaboration and Human-Centered Multimedia Information Systems. *Yong Rui, Nicu Seb and Alejandro (Alex) Jaimes*
- <u>T3</u> (Full day): Peer-to-peer Multimedia. *Ralf Steinmetz*
- <u>T4</u> (Full day): Media Semantics and the Statistical Foundations for Understanding It. (*AM): Marc Davis, Chitra Dorai and Frank Nack; (PM): Edward Chang*
- <u>T5</u> (Half day, AM): Session Initiation Protocol (SIP): A Protocol for Supporting Multimedia in Next Generation Networks. *Arup Acharya, Archan Mishra and Avshalom Houri*

Most tutorials were well attended, each with more than 20 participants.

Workshops

Workshops have always been an important part of the conference. This year the following Workshops were organized as part of the conference:

1. Multimedia Information Retrieval (MIR 2005)
   Hongjiang Zhang, John Smith and Qi Tian
2. Video Surveillance and Sensor Networks (VSSN 2005)
   Edward Chang, Jake Aggarwal, Rita Cucchiara and Yuan-Fang Wang
3. Multimedia Service Composition (MSC 2005)
   Wolf-Tilo Balke and Klara Nahrstedt
4. Continuous Archival and Retrieval of Personal Experiences (CARPE 2005)
   Jim Gemmell and Hari Sundaram
5. Multimedia for Human Communication - From Capture to Convey (MHC 05)
   Frank Nack
6. Advances in Peer-to-Peer Multimedia Streaming (P2MS 2005)
   S.-H. Gary Chan, Shiqiang Yang, Qian Zhang and Jin Li

The list included one standing workshop that has been running for many years (MIR), two repeated workshops (VSSN and CARPE) and three new workshops. MIR pulled in the largest crowd of over 60, while VSSN and P2MS have 30 and 21 participants respectively. MHC, being a more specialized workshop in a targeted area, has a small participating group of 12. The workshops were well-attended with the smaller workshops being highly interactive.

Technical Program

The conference had a rich 3 day of program for the main conference. All activities started at 0830 and ended at around 1730 or 1800.

Over the past 10 years, the concept of multimedia has evolved, from research in separate "non-textual" media such as image, video and audio, into truly "multimedia" approaches of integrating information of multiple medium types, including text and metadata. Today, the conference covers a wide range of topics on the foundations of multimedia, as well as multimedia applications, content, systems, videos and arts. This was reflected in a full range of technical program covering keynote address, long papers, short papers, brave-new emerging topics, panels, doctoral symposium, technical demonstrations, open source competition, video demonstrations, as well as interactive arts which includes an exhibition of multimedia art.

Keynote Address

As the conference was held in Asia for the first time, it was felt appropriate to invite a researcher to speak about the multimedia research done in Asia. The speaker was Dr Kazumasa Enami, the Director-General of Science and Technical Research Laboratories of NHK (Japan Broadcasting Corporation), Japan. The talk focused on future of multimedia in the home, which has received much attention in recent years. Unfortunately, Dr Enami was unable to attend at the conference in the last minute, and the Keynote Address was presented by his Deputy.

Long Papers

This year, we received 312 full (long) papers. This was a slight drop from last year's 331. The final program had 49 papers: 24 in the Content track (out of 150), 15 papers in the Applications track (out of 98) and 10 papers in the Systems track (out of 64). In addition, 11 papers were recommended for the short paper Section, 3 for the Demo Section, and 1 for the video Section. The acceptance ratio for the long papers is 15.7%.

Short Papers (Poster Session)

We received 202 papers, and accepted 59 papers, with 33 papers from the Content track (out of 113), 18 papers from the Applications track (out of 61) and 8 papers from the Systems track (out of 28). The acceptance ratio was 29%. Together with 11 papers recommended from the long paper tracks, a total of 70 short papers were selected for presentation at the conference.

Brave New Topics (BNTs)

Based on the criteria that topics selected as BNT must be new, brave, and likely to be of high level of interests and impact, the BNT committee selected 3 topics from over 5 proposals. The three BNT sessions selected were:
- Multimedia Challenges for Planetary Scale Applications (4 papers)
- Affective Multimodal Human-Computer Interaction (4 papers)
- Advanced Methods for Medical Image Retrieval and Applications (3 papers)

The facilitators of each selected BNT topic were responsible for: (a) inviting the potential authors as listed in the proposal to submit the papers in appropriate subjects; (b) overseeing the review of papers, each with 2-3 reviewers; (c) selecting the papers in consultation with the BNT chairs; and (d) ensuring the authors submit the camera-ready papers on time. The BNT sessions were scheduled in parallel with the main paper sessions. As with previous year, the BNT sessions were well attended and received. It is expected that the BNT sessions should be a regular feature of this conference.

Panels

This year, the Panel Chairs proposed two panel sessions after intense consultations with various senior researchers. The selected panel sessions were:

- What is the State of our Community?
- Foundations of Multimedia Computing, Communication and Interaction

Both panel topics covered areas of concerns to many, especially the young researchers. The panel chairs and members were carefully selected to have diverging views on the topics. The resulting panel sessions were very well attended, lively, illuminating and interactive. Many attendees commented that the panels were well conducted, informative and appropriate. Future panel sessions should be solicited along these criteria.

Doctoral Symposium

The doctoral symposium received 12 submissions, out of which the chairs selected 9 for presentation at the conference. The papers were well distributed geographically, with 5 from Asia, 1 from Australia and 3 from Europe.

The Symposium took place in the afternoon of the last day of the main conference in conjunction with MIR Workshop. The symposium was well attended as compared to previous years when symposium was the only activity in the afternoon. The good attendance was partly because of the parallel activity in the MIR Workshop that helped to retain the crowd.

Technical Demonstrations

As with past conferences, most people looked forward to technical demonstration sessions as one of the highlights of the conference. This year was no exception, as we accepted 20 high quality demos covering a wide variety of topics arranged in two broad themes of:

- Media Understanding and Browsing
- Media Authoring and Processing

Demo sessions were very popular.

Open-Source Competition

We followed the initiative in ACM Multimedia 2004 and organized the Open Source Competition for the second year running. This time round, we received 7 entries, and the committee selected one as the winner. The winner gave a presentation and demonstration of their software during the conference. We sensed that there were considerable interests in this activity from the community and we should keep it as a permanent activity of this conference.

Video Demonstrations and Visions

The video program received 9 videos this year of which 7 were accepted. The videos were reviewed by the Video Demo co-chairs and other reviewers. Most of those rejected were not of sufficient visual quality or the topic was not suitable.

The authors of each accepted video entry were asked to give a short presentation, follow by screening up to 8 minutes of video, and the usual question and answering. The session has gone well with active participation by the conference attendees.

Arts Track

The arts track was run as a mini-conference within the conference with its own array of long paper track, short paper track, and exhibition. The reviews of the papers followed more or less the same guideline of the main conference but with about 1-2 reviewers for each paper. At the end of the review process, we accepted 9 long papers (out of 20), 12 short papers (with 5 from the long paper track and 7 out of 20 from the short track), and 16 exhibits.

The long papers were divided into 3 sessions under the themes of: (1) interfaces for audio and music creation; (2) performance, play and apperception; and (3) interactions in social and virtual environments. Each session started with the presentation of 3 research papers followed by a Jamming session to discuss future directions. The arts sessions focused on the artistic and user aspects of media technologies and were drawing large crowds of artists as well as technical specialists. In this sense the program had been a resounding successful.

The 12 short papers were presented together with the other short papers during the conference reception.

All the above took place in the main conference venue. Although our initial plan was to have the arts exhibition taking place in the same venue, however, we soon realized that this was not possible for several reasons: (1) the lack of large open exhibition space in the main conference site; (b) the specialist skills needed to setup the arts exhibits; and (c) the exhibition needs to be run for about a week and open to general public in order to make it worthwhile to setup the exhibits. To achieve these, we partnered with the Lasalle-SIA College of the Arts to jointly organize, operate and publicize the arts exhibition in the College with their own permanent exhibition space. As Lasalle-SIA College of the Arts is about 5 Km away form the main conference site, we organized regular shuttle bus services to transport the conference participants to and from the exhibition venue. Though it was less convenient, it worked out well as many participants have visited the exhibition site.

The integration of arts program into the main conference has been instrumental in bringing the two groups of people together - the arts people on one hand and the technical people on the other. The synergy should be built up slowly over the years. We should actively support interactive arts as an integral part of the ACM Multimedia conference.

Awards

The conference continued with a strong awards program for best paper, best student paper, best demo, and best video. This year we increased this program. The following awards were presented during the conference under various categories using sponsored or self-generated conference funds.

1) Best paper Award -- SIN $1,600 (US$1,000) sponsored by IBM
2) Best Student Paper Award -- SIN $1,300 (US$800) sponsored by Microsoft
3) Best Video Award -- SIN $1,000 (US$600) sponsored by FXPAL
4) Best Open Source Software Competition - SIN $500 provided from conference fund.
5) Best Technical Demonstration -- SIN$500 provided from conference fund.
6) Best Arts Paper   SIN$500 provided from conference fund.

We included the presentation at the conference as well as a technical paper evaluation in the Best Student Paper competition. Three nominees for best paper were selected. Each student gave his or her presentation during a special highlighted session of the conference. An awards committee made up of senior researchers in the field met afterwards to select the winner.

The award winners this year were:

1. IBM Best paper Award
   SEVA: Sensor-Enhanced Video Annotation
   X. Liu, M. Corner & P. Shenoy (Univ. of Massachusetts, Amherst)

2. Microsoft Research Best Student Paper Award
   Physics-Motivated Features for Distinguishing Photographic Images
   and Computer Graphics
   T.-T. Ng, S.-F. Chang, J. Hsu, L. Xie & M.-P. Tsui
   (Columbia Univ., University of Toledo)

3. FXPAL Best Vision Video Award
   Post-Bit: Embodied Video Contents on Tiny Stickies
   T. Matsumoto, T. Dunnigan & M. Back
   (KEIO Univ./FX Palo Alto Laboratory

4. FXPAL Best Demo Video Award
   MMM2: Mobile Media Metadata for Media Sharing
   M. Davis, J. Canny, N. van House, N. Good, S. King, R. Nair,
   C. Burgener, B. Rinehart, R. Strickland, G. Campbell, S. Fisher &
   N. Reid (Univ. of California, Berkeley, Yahoo! Research Berkeley)

5. Best Open Source Software Competition
   OpenVIDIA: A Parallel GPU Computer
   J. Fung, S. Mann and C. Aimone (Univ. of Toronto)

6. Best Technical Demonstration
   Mediamill: Exploring News Video Archives based on Learned Semantics
   C. Snoek, M. Worring, J. Gemert, J-M Geusebroek, D. Koelma,
   G.P. Nguyen, O. Rooij and F. Seinstra (Univ. of Amsterdam)

7. Best Arts Paper
   MobiLenin: Combining A Multi-Track Music Video, Personal Mobile Phones and A Public Display into
Multi-User Interface Entertainment
   J. Scheible and T. Ojala (University of Art and Design Helsinki /
   Univ. of Oulu)

General Impressions and Feedback

Feedback about the conference was very positive with no special concerns for future conferences.
People like the venue and the organization of the conference. Positive comments were heard about
having the conference a t a location where one could easily go from one session to the other.   The
entire organizing committee is to be commended. This was considered to be one of the most
successful and enjoyable conferences.

Sponsors

We had great support from the following sponsors: FXPAL, IBM, Microsoft, Lasalle-SIA College of the
   Arts and National University of Singapore.
1) IBM sponsored US$5,000 towards the best paper award (US$1,000), and student conference
   support of about US500 for 8 students.
2) Microsoft sponsored US$3,000 towards the best student paper award (US600), student conference
   support at US500 for 2 students, and partial support for conference bags.
3) FXPAL donated US$600 towards the price for the best video award.
4) Lasalle-SIA College of the Arts generously provided gallery space for the Arts Exhibition, offered
   technical and materials supports in setting up the arts exhibits, and sponsored the Arts Reception
   help on the 7 November 2005 (Mon) from 1900-2130.
5) NUS consented to the use of administrative and technical support staff, various audio-visual
   equipments, computers, accessories, and various computing and administrative resources.

ACM Multimedia 2006 will be held in Santa Barbara, October 23-27, 2006. The General Co-chairs are
Prof. Klara Nahrstedt (University of Illinois, Urbana Chamaign) and Prof. Matthew Turk (University of
California, Santa Barbara). Planning for future ACM Multimedia conferences is also in progress. The
General Co-chair for MM07 is Prof. Rainier Lienhart of University of Augsburg, Germany. The
conference will be held in Augsburg, Germany sometime in October or November 2007.

Co-Sponsorships and In-Cooperations

During the past year we have co-sponsored five conferences:

1. CVMP 2005: 2nd European Conference on Visual Media Production, 11/30/2005 through 12/1/2005, London, UK.
2. AVI 2006: The International Conference on Advanced Visual Interfaces, 5/23/2006 through 5/26/2006, Venice, Italy.
3. Multimedia and Security 2005: Workshop on Multimedia and Security was held, August 1-2, 2005, New York, NY.
4. MMCN 2006: Multimedia Computing and Networking, San Jose, California, Jan 18-19, 2006.
5. NOSSDAV 2005: 16th International Workshop on Network and Operating Systems Support for Digital Audio and Video (May 2006), Newport, Rhode Island, USA.

SIGMM was financially responsible for NOSSDAV and Multimedia & Security Workshop. We provided in-cooperation support for the other conferences. Multimedia continues to be a popular topic. The ACM Multimedia Conference continues to be viewed as high quality and popular with the research community.

SIGMM Leadership

SIGMM was started as a conference-only SIG with a Steering Committee. Financial support was provided by SIGGRAPH and SIGCOMM, amongst other SIGs. Over the past several years, SIGMM has matured into a group that supports itself. Discussions continue with SIGGRAPH to reduce their financial responsibility for the Multimedia conference. SIGMM will continue to offer our conferences and workshops in cooperation with other SIGs and professional societies.

Officers

Following ACM SIG guidelines, we conducted elections for officers of SIG Multimedia in 2005. Following officers were elected for the two year term and continued their service this year:

Chairperson: Prof. Ramesh Jain (University of California, Irvine)

Vice Chairperson: Prof. Wolfgang Effelsburg (University of Mannheim, Germany)

Conference Chairperson: Dr. Nevenka Dimitrova (Philips Research)

Summary

In summary, we had a very productive year. Our flagship conference continues to be a premier conference and had its first presence in Asia. Health of multimedia community continues to remain strong. Given increasing attention to multimedia on the Web, we expect to see increasing activity in some areas, such as Multimedia Information Retrieval, in the coming year. Overall, we had a great year.

APPENDIX A: Conference Organizing Committee

General Program Co-Chairs:
Tat-Seng Chua, *National University of Singapore*
Hongjiang Zhang, *Microsoft Research Asia, China*
Program Co-Chairs:
Multimedia Content: Mohan Kankanhalli, *National University of Singapore*
Multimedia Applications: Lynn Wilcox, *FXPAL, USA*
Multimedia Systems: Ralf Steinmetz, *Technische Universität Darmstadt, Germany*
Short Paper Co-Chairs:
Multimedia Content: Chitra Dorai, *IBM, USA*
Multimedia Applications: Kiyoharu Aizawa, *University of Tokyo, Japan*
Multimedia Systems: Roger Zimmermann, *USC, USA*

Workshop Co-Chairs:
   Wei-Ying Ma, *Microsoft Research Asia, China*
   Hari Sundaram, *Arizona State University, US*A
Tutorial Chair:
   Milind R. Naphade, *IBM, USA*
Publicity Co-Chairs:
   Michael Vernick, *Avaya Labs, USA*
   Lloyd Rutledge, *CWI, The Netherlands*
   Mark Liao, *Academia Sinica, Taiwan*
   Masayuki Nakajima, *Tokyo Institute of Technolog*y, *Japan*
   Francis, Bu-Sung Lee, *Nanyang Technological University, Singapore*
Technical Demo Co-Chairs:
   Tian Qi, *I2R, Singapore*
   Michael Lew, *Leiden University, The Netherlands*
Video Program Co-Chairs:
   Frank Nack, *CWI, The Netherlands*
   Svetha Venkatesh, *Curtin University, Australia*
Doctoral Symposium Chair:
   Horace Ip, *City University of Hong Kong, Hong Kong*
Panel Co-Chairs:
   Edward Chang, *UCSB, USA*
   Yong Rui, *Microsoft Research, USA*
Interactive Art Program Co-Chairs:
   Alejandro Jaimes, *FXPAL Japan, Fuji Xerox Co. Ltd., Japan*
   Andrew Senior, *IBM T.J. Watson Research Center, USA*
   Wolfgang Muench, *LASALLE-SIA College of the Arts, Singapore*
Brave New Topics Co-Chairs:
   Dick Bulterman, *CWI, The Netherlands*
   Jonathan Foote, *FXPAL, USA*
Best Open Source Software Co-Chairs:
   Ketan Mayer-Patel, *University of North Carolina, USA*
   Ching-Yung Lin, *IBM, USA*
Proceedings Co-Chairs:
   Susanne Boll, *University of Oldenburg, Germany*
   Lekha Chaisorn, *National University of Singapore*
Exhibition Chair:
   Clement Chia, *Nanyang Technological University, Singapore*
Local Arrangements Co-Chairs:
   Qibin Sun, *I2R, Singapore*
   Terence Sim, *National University of Singapor*e
   Ee-Chien Chang, *National University of Singapore*
Registration Chair:
   Wei-Tsang Ooi, *National University of Singapore*
Web Site Co-Chairs:
   Chee-Kit Leon Leong, *National University of Singapore*
   Sze-Leung Leon Poon, *National University of Singapore*
   Shiyong Neo, *National University of Singapore*
Conference Secretariat:
   Catharine Tan, *National University of Singapore*
ACM SIGMM Chair:
   Ramesh Jain, *UC Irvine, USA*

SIGMOBILE FY'06 ANNUAL REPORT
July 2005-June 2006
Submitted by: David B. Johnson, SIGMOBILE Chair

Introduction

SIGMOBILE is the leading international organization dedicated to addressing the latest developments in the area of mobility of systems, users, data, and computing. The group's technical scope reflects the convergence of mobility, computing, and information organization, its access, services, management, and applications, fueled by the symbiosis of portable computers and wireless networks. Members of ACM SIGMOBILE are active in the development of new technologies and techniques for mobile and wireless computing and communications.

The year 2005-2006 has been another great year for SIGMOBILE, and SIGMOBILE remains strong and growing. As the ACM Special Interest Group on Mobility of Systems, Users, Data, and Computing, SIGMOBILE addresses all things mobile, including mobile computing and mobile and wireless networking. The elected officers of SIGMOBILE are *Prof. David B. Johnson* (Rice University, USA), Chair; *Dr. Jason K. Redi* (BBN Technologies, USA), Vice Chair; *Prof. Tracy Camp* (Colorado School of Mines, USA), Treasurer; and *Prof. Chiara Petrioli* (University of Rome "La Sapienza," Italy), Secretary. SIGMOBILE's officers also include *Prof. Mani Srivastava* (University of California, Los Angeles, USA) as the Editor-in-Chief for SIGMOBILE's journal *Mobile Computing and Communications Review* (MC2R), and *Dr. Robert Steele* (University of Technology, Sydney, Australia) as SIGMOBILE's Information Director.

Conferences and Workshops

SIGMOBILE sponsors or co-sponsors four annual conferences:

- MobiCom: The Annual International Conference on Mobile Computing and Networking. MobiCom has been held every year since 1995.
- MobiHoc: The ACM International Symposium on Mobile Ad Hoc Networking and Computing. MobiHoc has been held every year since 2000.
- MobiSys: The International Conference on Mobile Systems, Applications, and Services. MobiSys has been held every year since 2003.
- SenSys: The ACM Conference on Embedded Networked Sensor Systems. SenSys has been held every year since 2003.

Our conferences are very successful, with growing number of submissions and growing attendance. They are each widely recognized as the premier conferences in the field. At many of our conferences, we also sponsor a number of different co-located workshops on emerging topics and feature tutorials on the latest research areas and background topics.

SIGMOBILE's conferences have been very international, both in attendance and in location. In 1997, MobiCom was held in Budapest, Hungary. In 2001, MobiCom was held in Rome, Italy, and in the next year, 2002, MobiHoc was held in Lausanne, Switzerland. In 2004, MobiHoc was held in Tokyo, Japan, and in 2005, MobiCom was held in Cologne, Germany. This year, in 2006, MobiHoc was held in Florence, Italy, and MobiSys was held in Uppsala, Sweden.

SIGMOBILE strongly supports students at these conferences and workshops, for example through reduced registration fees, student travel awards for some conferences (with NSF and industry support), student poster sessions, the MobiCom Best Student Paper Award, and hosting the ACM Student Research Competition (SRC) at MobiCom.

SIGMOBILE has again this year been very successful in attracting donations from leading edge companies and other organizations around the world in support of these conferences. Over the past year, these supporters have included adesso, Chipcon, Cisco Systems, Crossbow Technology, Deutsche Telekom, E-NEXT Network of Excellence, Ericsson, IBM, IIT-CNR, Intel, Microsoft Research, NEC Europe Ltd. Network Labs, Nokia, NTT DoCoMo USA Labs, SAP, Sprint, the Swedish Agency for Innovative Systems (VINNOVA), the Swedish Institute of Computer Science (SICS), Telecom Italia, Toyota Technical Center USA Inc., Uppsala Kommun, and the U.S. National Science Foundation

MobiCom 2005, *the Eleventh Annual International Conference on Mobile Computing and Networking*, was held August 28-September 2, 2005, in Cologne, Germany. *Prof. Tom La Porta* (Pennsylvania State University, USA) and *Prof. Christoph Lindemann* (University of Dortmund, Germany) served as General Co-Chairs, and *Prof. Elizabeth Belding-Royer* (University of California, Santa Barbara, USA) and *Prof. Songwu Lu* (University of California, Los Angeles, USA) served as Program Co-Chairs. The MobiCom conference covers all areas of mobile computing and mobile and wireless networking at the link layer and above.

The MobiCom 2005 technical program featured two keynote talks: one by *Dr. Ralf Guido Herrtwich* (Director of Vehicle IT and Services Research, DaimlerChrysler AG, Germany) and a second by *Dr. Jeffrey* M. Jaffe (President, Bell Labs Research and Advanced Technologies, USA). The conference included two days of tutorials on August 28-29:

- Wireless Sensor and Actuator Networks (full-day), *Prof. Mani Srivastava* (University of California, Los Angeles, USA).
- Security in Sensor and Ad-hoc Networks: Perspective and Status (full-day), *Prof. Virgil Gligor* (University of Maryland at College Park, USA).
- Wide-area Wireless Networks: Third Generation and Beyond (half-day), *Dr. Ram Ramjee* (Bell Labs, Lucent Technologies, New Jersey, USA).

MobiCom 2005 also included five full-day workshops on September 2:

- DIALM-POMC 2005: The Third Joint Workshop on Foundations of Mobile Computing.
- DIN 2005: The First International ACM Workshop on Dynamic Interconnection of Networks.
- VANET 2005: The Second ACM Workshop on Vehicular Ad Hoc Networks.
- WiSe 2005: The Fourth ACM International Workshop on Wireless Security.
- WMASH 2005: The Third ACM International Workshop on Wireless Mobile Applications and Services on WLAN Hotspots.

In addition, this year for the first time, MobiCom hosted the ACM Student Research Competition (SRC). MobiCom 2006 will be held September 24-29, 2009, in Los Angeles, California, USA, and we will be hosting the ACM SRC again at MobiCom 2006.

MobiHoc 2006, *the Seventh ACM International Symposium on Mobile Ad Hoc Networking and Computing*, was held May 22-25, 2005, in Florence, Italy. *Prof. Sergio Palazzo* (University of Catania, Italy) served as General Chair, and *Dr. Marco Conti* (IIT-CNR, the Italian National Research Council, Institute for Informatics and Telematics, Italy) and *Prof. Raghupathy Sivakumar* (Georgia Institute of Technology, USA) served as Program Co-Chairs. The MobiHoc conference addresses the challenges emerging from wireless ad hoc networking and computing, with the focus being on issues at and above the MAC layer.

The MobiHoc 2006 technical program featured a keynote talk by *Prof. Jean-Pierre Hubaux* (EPFL, Switzerland) and included four half-day tutorials:

- Wireless Mesh Networks: Fundamentals, Basic Protocols, and Research Issues, *Prof. Samir R. Das* (State University of New York at Stony Brook, USA), *Prof. Prasant Mohapatra* (University of California, Davis, USA), and *Dr. W. Steven Conner* (Intel, USA).
- Wireless Mesh Networks: Applications, Testbeds, Products, and Standards, *Prof. Samir R. Das* (State University of New York at Stony Brook, USA), *Prof. Prasant Mohapatra* (University of California, Davis, USA), and *Dr. W. Steven Conner* (Intel, USA).
- Delay/Disruption Tolerant Networking, *Dr. Kevin Fall* and *Dr. Michael Demmer* (Intel Research, Berkeley, USA; and University of California, Berkeley, USA).
- Multimedia Conferencing in Mobile Ad Hoc Networks: Challenges and Early Approaches, *Dr. Roch H. Glitho* (LM Ericsson and Concordia University, Canada).

MobiHoc 2006 also included one full-day workshop on May 26:

- RealMAN 2006: The Second International Workshop on Multi-hop Ad Hoc Networks: From Theory to Reality.

MobiSys 2006, *the Fourth International Conference on Mobile Systems, Applications, and Services*, was held June 19-22, 2006, in Uppsala, Sweden. *Prof. Per Gunningberg* (Uppsala University, Sweden) and *Dr. Lars-Åke Larzon* (Uppsala University, Sweden) served as General Co-Chairs, and *Prof. Mahadev* Satyanarayanan (Carnegie Mellon University, USA) and *Prof. Nigel Davies* (Lancaster University, United Kingdom) served as Program Co-Chairs. The MobiSys conference addresses broad systems research issues in mobile computing and mobile networking, particularly valuing the practical experience gained from designing, building, and using mobile systems, applications, and services. MobiSys is jointly sponsored by ACM SIGMOBILE and The USENIX Association, with actual financial sponsorship and organization alternating yearly between the two organizations; SIGMOBILE provided sponsorship for MobiSys 2005.

The MobiSys 2006 technical program featured two keynote talks: one by *Prof. Daniel P. Siewiorek* (Carnegie Mellon University, USA) and a second by *Erik Ekudden* (Vice President Technology and Standardization, Ericsson AB, Sweden). The conference also included one full-day workshop on June 19:

- REALWSN 2006: The ACM Workshop on Real-World Wireless Sensor Networks.

SenSys 2005, *the Third ACM Conference on Embedded Networked Sensor Systems*, was held November 2-4, 2005, in San Diego, California, USA. *Dr. Jason Redi* (BBN Technologies, USA) served as General Chair, and *Prof. Hari Balakrishnan* (MIT, USA) and *Dr. Feng Zhao* (Microsoft Research, USA) served as Program Co-Chairs. The SenSys conference focuses on systems issues in the emerging area of embedded, networked sensors, spanning multiple disciplines, including wireless communication, networking, operating systems, architecture, low-power circuits, distributed algorithms, data processing, scheduling, sensors, energy harvesting, and signal processing. SenSys is co-sponsored by SIGMOBILE together with SIGCOMM, SIGARCH, SIGOPS, SIGMETRICS, and SIGBED.

The SenSys 2005 technical program featured two keynote talks: one by *Prof. John R. Delaney* (University of Washington, USA) and a second by *Dr. Henry Tirri* (Research Fellow, Nokia Research Center, Finland). SenSys 2006 will be held November 1-3, 2006, in Boulder, Colorado, USA.

Beyond SIGMOBILE's own conferences and workshops, SIGMOBILE was in-cooperation with 15 other conferences and workshops during this past year (July 2005 through June 2006):

- The 2005 International Conference on Mobile Business (ICMB 2005), Sydney, Australia, July 11-13, 2005.
- The Second Annual International Conference on Mobile and Ubiquitous Systems (MobiQuitous 2005), San Diego, California, USA, July 17-21, 2005.
- The IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob 2005), Montreal, Canada, August 22-24, 2005.
- The 7th International Conference on Human Computer Interaction with Mobile Devices and Services (MobileHCI 2005), Salzburg, Austria, September 19-22, 2005.
- The 9th International Symposium on Wearable Computers (ISWC 2005), Osaka, Japan, October 18-21, 2005.
- The First IEEE International Symposium on New Frontiers in Dynamic Spectrum Access Networks (DySpan 2005), Baltimore Harbor, Maryland, USA, November 8-11, 2005.
- The IEE Mobility Conference 2005, Guangzhou, China, November 15-17, 2005.
- The First International Conference on COMmunication System softWAre and MiddlewaRE (COMSWARE 2006), New Delhi, India, January 8-12, 2006.
- The 19th International Conference on Architecture of Computing Systems (ARCS 2006), Frankfurt/Maine, Germany, March 13-16, 2006.
- The Seventh IEEE Workshop on Mobile Computing Systems and Applications (WMCSA 2006), Semiahmoo Resort, Washington, USA, April 6-7, 2006.

- The 2006 Wireless Telecommunications Symposium (WTS 2006), Pomona, California, USA, April 27-29, 2006.
- The 7th International Conference on Mobile Data Management (MDM 2006), Nara, Japan, May 9-12, 2006.
- The International Cross-Disciplinary Workshop on Web Accessibility (W4A), Edinburgh, Scotland, United Kingdom, May 23-26, 2006.
- The First International Conference on Cognitive Radio Oriented Wireless Networks and Communications (CROWNCOM 2006), Mykonos Island, Greece, June 8-10, 2006.
- The Fifth International ACM Workshop on Data Engineering for Wireless and Mobile Access (MobiDE 2006), Chicago, Illinois, USA, June 25, 2006.

Publications

SIGMOBILE produces a large number of publications and is a major contributor of content to the ACM Digital Library. SIGMOBILE's publications include conference proceedings for MobiCom, MobiHoc, MobiSys, and SenSys; proceedings for each of the workshops co-located with our conferences; and *Mobile Computing and Communications Review* (MC2R), SIGMOBILE's journal for our members. In addition, we also strive to include in the ACM Digital Library the proceedings for each of the other conferences or workshops with which SIGMOBILE is in-cooperation. SIGMOBILE also maintains an extensive web site at *http://www.sigmobile.org*, including information about SIGMOBILE and its activities, and information about membership in SIGMOBILE.

MC2R serves both as a newsletter, keeping SIGMOBILE members informed, and as a scientific journal, publishing high-quality peer-reviewed research papers on mobile computing and wireless and mobile networking; MC2R publishes articles that provide a balance between state-of-the-art research and practice. In addition to publishing original research papers, MC2R provides regular features on the status of major international standards in mobile computing and communications (e.g., IETF, ITU, ISO, and IEEE), articles on the health aspects of wireless communication, bibliographies of recent publications in other journals and technical reports, paper and book reviews, workshop and conference reports, calls for papers, information on research groups from throughout the world, and general news in the field.

In addition to Editor-in-Chief *Prof. Mani Srivastava* (University of California, Los Angeles, USA), MC2R currently has two Associate Editors, *Prof. Raghupathy Sivakumar* (Georgia Institute of Technology, USA) and *Prof. Andreas Savvides* (Yale University , USA), and a group of outstanding Area Editors who are all recognized experts in the field. MC2R achieves a fast turn-around time, generally less than 6 months between submission and publication, and all submissions and reviewing for MC2R are handled electronically.

MC2R is published quarterly and sent to SIGMOBILE members; it is also available through ACM's Digital Library. In addition, MC2R content is indexed in IEE INSPEC, the leading English-language bibliographic information service, providing access to the world's scientific and technical literature in physics, electrical engineering, electronics, communications, control engineering, computers, computing, information technology, manufacturing, production and mechanical engineering. INSPEC contains over eight million references cataloged since 1969. Indexing in INSPEC makes the content in MC2R more accessible and increases the impact of SIGMOBILE's journal.

Over the 2005-2006 year, MC2R published four quarterly issues (volume 9 numbers 3-4, and volume 10 numbers 1-2), with an average of 65 pages per issue. In addition to a number of general articles and features, these four issues included a total of 20 peer-reviewed research papers from authors around the world.

We have also continued this year our monthly e-mail newsletter (*E-News*), started last year, for SIGMOBILE members. This electronic newsletter, edited by our Information Director *Dr. Robert Steele* (University of Technology, Sydney, Australia), includes SIGMOBILE announcements, pointers to relevant mainstream news articles of interest to SIGMOBILE members, a calendar of upcoming events of interest to our members, and pointers to developer news for active developers in the area of mobile computing and wireless networking.

Chapters

Last year, SIGMOBILE started a new Local Chapters program. SIGMOBILE Professional and Student Chapters continue the work of SIGMOBILE within their local regions by bringing together individuals with an interest in mobile systems, users, data, and computing. The Chapters consist of students and professionals from academia, industry, and government. We currently have two Local Chapters fully approved and operating:

- *Nanyang Technological University Student Chapter*: This SIGMOBILE Student Chapter is organized in Singapore within the Nanyang Technological University (NTU) ACM club. The President of this Chapter is *Priyanka Gupta*.
- *Sydney Professional Chapter*: This SIGMOBILE Professional Chapter is organized in Sydney, Australia. The Chair of this Chapter is *Dr. Robert Steele*.

These two international Chapters extend the reach of SIGMOBILE and further emphasize SIGMOBILE as a truly global organization.

We encourage interested groups around the world to form a SIGMOBILE chapter in their local community, school, city, or region. For details about the procedures and benefits for forming a Local SIGMOBILE Chapter, see *http://www.sigmobile.org/chapters/*.

Membership

SIGMOBILE's membership continues to grow steadily, and we enjoy a very high retention rate among our current members. Despite many challenges in the economy causing some to be more selective with their SIG memberships, and at a time when many SIGs within ACM have had declining membership, SIGMOBILE has continued to grow and do well. In the past few years, we have tried to better define the benefits of SIGMOBILE membership and to make those in our community more aware of SIGMOBILE. This has been paying off, and we continue to look for ways to enhance our member benefits, such as our new e-mail *E-News* letter, and to improve our publicity in the mobile computing and mobile networking community.

Awards

Prof. Deborah Estrin, nominated by SIGMOBILE, has been named as the first Athena Lecturer by ACM's Committee on Women in Computing (ACM-W). This recognition celebrates women researchers who have made fundamental contributions to Computer Science. Deborah Estrin holds the Jon Postel Chair in Computer Networks and is Professor of Computer Science at the University of California, Los Angeles, and is the founding director of the U.S. National Science Foundation (NSF) Science and Technology Center for Embedded Networked Sensing (CENS). Her recent research has focused on the design and application of wireless sensor networks. Deborah will present her Athena Lecture on "Wireless Sensing Systems: From Ecosystems to Human Systems" at MobiCom 2006, on Tuesday, September 26, 2006; the conference will take place at the Marina del Rey Marriott in Los Angeles, California, USA.

At the ACM Student Research Competition (SRC) hosted at MobiCom 2005, August 28-September 2, 2005, in Cologne, Germany, 10 graduate students presenting their research in the MobiCom Poster Session competed in the SRC. The winners at the MobiCom 2005 SRC were *Joel Koshy* (University of California, Davis, USA), First Place; *Albert F. Harris, III* (University of Illinois at Urbana-Champaign, USA), Second Place; and *Yaling Yang* (University of Illinois at Urbana-Champaign, USA), Third Place.

At the Grand Finals for the entire ACM SRC for 2005, *Yaling Yang* received Second Place for her work on "Interference-aware Loop-free Routing For Mesh Networks." Yaling is a Ph.D. candidate in the Department of Computer Science at the University of Illinois at Urbana-Champaign, working with her advisor *Prof. Robin Kravets*.

The 2006 SIGMOBILE Outstanding Contribution Award was presented at MobiSys 2006 to *Prof. Daniel P. Siewiorek* (Director of the Human-Computer Interaction Institute and Buhl University Professor of Electrical and Computer Engineering and Computer Science, Carnegie Mellon University, USA), *"For pioneering new areas of research in wireless and mobile computing, driven by a unique blend of innovative academic research and recognition of its commercial potential."* The Outstanding

Contribution Award is given by SIGMOBILE to recognize an individual who has made a significant and lasting contribution to the research on mobile computing and communications and wireless networking; the contribution can be a single event or a lifetime of achievement.

The MobiCom 2005 Best Student Paper Award was presented to *John Bicket*, *Daniel Aguayo*, *Sanjit Biswas*, and *Robert Morris* (Massachusetts Institute of Technology, USA) for their paper "Architecture and Evaluation of an Unplanned 802.11b Mesh Network." Each year, the MobiCom Technical Program Committee chooses the best paper with a student as the primary author from among all papers submitted to the conference that year.

The MobiSys 2005 Best Paper Award was presented to *Carl Hartung* and *Richard Han* (University of Colorado, Boulder, USA) and *Carl Seielstad* and *Saxon Holbrook* (University of Montana, USA) for their paper "FireWxNet: A Multi-Tiered Portable Wireless System for Monitoring Weather Conditions in Wildland Fire Environments." Each year, the MobiSys Technical Program Committee chooses the best paper from among all papers submitted to the conference that year.

Future Challenges

A problem we have had in the past is that our fund balance, although it has been strong and continues to grow, has been less than the minimum fund balance that ACM requires for us; this has been a difficult problem, since ACM has at the same time continued to increase the fund balance requirements for all SIGs. In response, we have been more conservative in budgeting our recent conferences and are being careful with expenses. Over the past year, we have made significant progress in closing the fund balance gap.

A continuing problem exists with the ever-increasing number of new conferences and workshops in the field of mobile computing and mobile and wireless networking, many of which technically compete directly with SIGMOBILE events. We believe that the community recognizes SIGMOBILE's conferences and workshops as the premier events in the field, but we need to ensure that this reputation is maintained. In particular, we remain concerned about the large number of these other new events requesting in-cooperation status with SIGMOBILE. Although we believe in granting in-cooperation status where justified, we need to be careful which events we lend our name and reputation to in this way. To help with this process, we have instituted new requirements for in-cooperation events and have been increasing the scrutiny practiced in reviewing such requests.

Another problem we have had is that the acceptance rate for papers submitted to our conferences is very low, typically less than 10% in recent years of MobiCom and MobiHoc. This low acceptance rate demonstrates that the reviewing is highly selective, in general increasing the prestige of the conference, but it creates problems by making it hard for authors to get papers published, particularly discouraging students and new faculty members who may feel more pressure to publish. As an experiment last year, MobiHoc used a mostly double-track format, accepting 40 papers rather than the 24 papers accepted last year. The results from this experiment were mixed, with some attendees saying they prefer the traditional single-track format. This year, while still remaining single-track for the upcoming MobiCom 2006 conference, we increased the number of papers accepted to 35, compared to a maximum of 28 papers accepted for MobiCom in previous years. This change has created a very tight schedule for the conference but has allowed room for more accepted papers. We will evaluate the reaction of attendees to this change.

Summary

SIGMOBILE is a vibrant, healthy, and growing SIG. Our conferences and workshops are strong and well supported. Our membership is growing, with members around the world, from academic organizations, industry research and development, government, and other interested individuals. We look forward to continuing to grow and improve SIGMOBILE together.

SIGMOD FY'05 ANNUAL REPORT (Draft)
July 2005-June 2006
Submitted by: Raghu Ramakrishnan, SIGMOD Chair

1 Mission
The ACM SIGMOD (Special Interest Group on Management of Data) is concerned with the principles, techniques and applications of database management systems and data management technology. This year, the SIGMOD Executive Committee redefined the scope of SIGMOD as follows: "The scope of SIGMOD is to be the premier international community for innovative dissemination of knowledge concerning management of data, broadly defined, including the aspects of data description, storage, querying, analysis, security and privacy." SIGMOD operations are conducted under the following long-standing guidelines:
• SIGMOD should be careful not to stretch itself too thinly. The current community that SIGMOD serves is the "database research and development community": those producing the research results (academicians and research lab members), those utilizing the research results (DBMS, middleware, and tool vendors), and those interested in where the field is going (forward-looking users and consultants). At the present time, conventional database application developers and users of such applications are not SIGMOD's primary focus.
• The area of relevance of SIGMOD is "data management technology." SIGMOD should focus on concepts and systems that manage data.
• As SIGMOD's membership fee is so low ($25 per year), SIGMOD should focus first on providing member benefits, and secondarily on providing benefits to non-members.

2 SIGMOD Member Benefits
SIGMOD has a very rich set of member benefits. As analyzed in last year's report, these include the following:

SIGMOD Online —The online component (www.acm.org/sigmod) continues to grow and now includes:
• digitized papers of the SIGMOD and PODS conference proceedings (now released simultaneously in print and electronically),
• SIGMOD Record, also released simultaneously in print and electronically; available in html/PDF and XML versions
• full video of the four one-hour plenary talks at the SIGMOD conference,
• dbworld, a very popular mailing list with web-based posting and archives,
• web-based repositories of information on graduating database students, database events, database research groups, database publications servers, and free/publicdomain software.
• links to commercial journal publications that are available to SIGMOD members at special rates.

SIGMOD Anthology —This is a collection of over 130,000 digitized pages of the database research literature, including back issues of three journals (IEEE TKDE, ACM TODS and VLDBJ), 27 conferences (ADBIS, CIKM, CoopIS, DASFAA, DBPL, DL, DOLAP, EDBT, ER, GIS, Hypertext, ICDE, ICDT, KRDB, MFDBS, MobiDE, NPIV, PDIS, PODS, SIGBDP, SIGIR, SIGMOD, SIS&R, SSDBM, VLDB, WIDM and WorkshopOODS) five newsletters (SIGBDP DATA BASE, SIGFIDET Newsletter, SIGKDD Explorations, SIGMOD Record and IEEE Data Engineering), several books, and meta-data (DBLP). The Fifth Volume of the Anthology, consisting of two CDs was produced in 2002; work is ongoing on Volume 6. After producing over 20 CDs, the decision has been made to move to DVD technology for the upcoming volumes of the Anthology.

Anthology Silver Edition —In 2002, we produced a set of two DVDs that incorporate all volumes of the Anthology as well as the first two volumes of DiSC (see below). This collection is called the Silver Edition and is now available to members at a price of $20.

SIGMOD Digital Symposium Collection (DiSC) — This is an annual electronic publication containing the proceedings for that year for a dozen conferences, several newsletters, as well as ancillary material from those conferences, such as Powerpoint slides, demoed software, and video of plenary sessions. It started out as a CDROM publication, and in 2003 we moved to DVD technology, since the content has grown significantly.
We have been working on putting DiSC release on a more reliable schedule with production as soon after the end of the year as possible. Our target is to ship the DiSC to members with the March issue of SIGMOD Record in the following year (i.e., within 3 months of the end of the year.) DiSC 06 has been

released, with Prof. Shahram Ghandaharizadeh as the editor. He has now stepped down and Prof. Joachim Hammer has taken over; Prof. Hammer will be in charge for DiSC 07.

SIGMOD Record —SIGMOD Record continues to be a high quality newsletter and its coverage has been growing. In recent years, several columns were added (influential papers, database principles, systems and prototypes, and standards). Over the last few years, we introduced the following columns that have been very well received by our members:
• Interviews with important database researchers and practitioners (in its fifth year);
• Book reviews (in its fourth year).

SIGMOD/PODS Conferences —These continue to be very successful and highly regarded events. As discussed in Section 4, we have taken steps to periodically (roughly every three to four years) hold these events outside North America. We have also created a Conference Coordinator position to provide continuity in the organization of the conference from year-to-year. Dr. Jianwen Su, (University of California, Santa Barbara), who was the General Chair of the 2001 SIGMOD Conference is currently holding this position. He has put together a Conference Organization Guideline document that has proven to be very helpful for the conference organizers. We are also working on a similar document for PC Chairs.
Starting in 2005, we have stopped production of hard copy proceedings for conference attendees (we had stopped shipping hard copies to members some years ago). Instead, we have produced electronic proceedings that were distributed to the attendees on USB keys.

CD Proceedings — Starting in 2004, we have started producing CD versions of the annual SIGMOD/PODS Proceedings, which are sent to members free of charge (with the June issue of SIGMOD Record).

Book donation program —Each year conference attendees are encouraged to donate a like-new copy of a database textbook, which are collected at the conference and sent to a deserving country, for distribution to schools and libraries. We have been running this program since 1998.

Although all of these benefits have been valuable to our members, there had never been an actual study of which of these are really important and which are not so critical. Furthermore, as we plan to initiate a membership drive to increase the size of the SIGMOD organization, several other benefits have been conceived, whose actual value to our current and prospective members is unknown. As a first attempt to quantify this value, we have conducted a survey among the participants of this year's SIGMOD/PODS conference where we posed seven important questions regarding members' benefits. We received over 140 responses, which gave some surprising results. The questions together with their score (on a scale from 1 (not important at all) to 5 (extremely important)) are as follows:

1. Printed SIGMOD Record   2.46
2. Annual DISC attached to the Record   2.95
3. Sigmod Anthology   3.57
4. Content currently available on website   4.35
5. Discounts at conferences and the Silver Edition   4.07
6. CD proceedings at SIGMOD/PODS conferences   3.58
7. DISC content available through the website   4.48

These will be taken seriously into account as we proceed with our membership changes in the near future. Furthermore, we intend to continue surveying our members with a similar questionnaire on the website as well.

3 New Initiatives
The following are some of the new initiatives:
1. We expanded videotaping of the tutorials and the panel sessions at the SIGMOD and PODS conferences in addition to keynotes. These videos will be included in the annual DiSC.
2. This year we launched a new award, the SIGMOD Doctoral Dissertation Award, which, as its name implies, will be given to one dissertation each year, starting in 2006. This award is supported by Microsoft Research (thanks to Jim Gray). The selection committee consists of Prof. Hans-Joerg Schek (Austria, Chair), Dr. Sophie Cluet (France), Dr. Jim Gray (USA), Dr. Gail Mitchell (USA), Prof. Beng Chin Ooi (Singapore), Prof. Masaru Kitsuregawa (Japan), Prof. Ricardo Baeza-Yates (Chile). The winner was Gerome Miklau, who received his PhD from the University of Washington and is now at the University of Massachusetts at Amherst.

3. This was the first year of the "roll-over" review process between the SIGMOD and VLDB conferences in which papers were both received by SIGMOD and forwarded to the next VLDB conference.

4 International Efforts

SIGMOD (and indeed, ACM) is generally considered to be primarily a US-based organization. SIGMOD has been attempting to be more international by undertaking a number of initiatives. We have established close relationships with societies in Europe (EDBT, ICDT, Moscow ACM SIGMOD Chapter) and the far east (China CCF DBS, SIGMOD Japan Chapter). There is an ongoing library donation program that is international in scope. In 2004, we have taken our annual conference out of North America for the first time (since its inception in 1975, the conference has been out of US only twice: Toronto in 1977 and Montreal in 1996). The 2004 SIGMOD/PODS Conference was held in Paris, France with Patrick Valduriez (INRIA and University of Nantes, France) as the General Chair and Gerhard Weikum (University of Saarlands, Germany) as the Program Committee Chair. The Conference was very successful, with attendance of about 525 participants (about the same as last year) including about 110 from France. For many of these colleagues, this was the first SIGMOD/PODS Conference that they attended.

The 2008 conference will be held in Vancouver, with Profs. Raymond Ng and Laks Lakshmanan (University of British Columbia) as the joint General Chairs, and with Prof. Dennis Shasha (NYU) as the Program Committee Chair. The 2007 conference will be held in Beijing, China. Prof. Lizhu Zhou (Tsinghua University, China) and Prof. Tok Wang Ling (National University of Singapore) are the General Chairs. The PC Chair is Prof. Bengchin Ooi. We will continue to take SIGMOD/PODS out of North America every three to four years. We are planning on having it again outside of North America in 2010 and are currently discussing possible cities to host it. In parallel, we are coordinating with two of our European sister societies (EDBT and ICDT), which are moving from a biannual to an annual joint conference, so that they start holding their joint conference in North America the years that SIGMOD/PODS move outside. This way, under the leadership of SIGMOD, it is ensured that the database field will have a balanced representation around the world every year.

5 Educational, Conference, and Membership Activities

The primary educational materials are the SIGMOD Anthology, bringing an entire library of database literature to students at a very low price (students can join SIGMOD for only $13 per year) and the SIGMOD DiSC, which brings to them the proceedings of a dozen conferences, as well as much ancillary material from those conferences. We have recently entered an agreement with VLDB Endowment to establish the "SIGMOD/VLDB Digital Library Donation Program" whereby VLDB Endowment will purchase up to $25,000 worth of SIGMOD Anthology Silver Edition to be distributed to developing countries. A joint committee has been formed to run this program. This should allow us to assist 1,000 institutions. To date, around 350 copies have been distributed.

The SIGMOD conference continues to be very well attended. The paid attendance this year was around 550, and we seem to be experiencing fairly stable attendance around this number. It is highly prestigious. In a list of the most referenced papers (http://www.informatik.uni-trier.de/˜ley/db/about/top.html) papers from the SIGMOD conference appeared more often than any other conference, and other studies have reported similar results. SIGMOD Conference papers continue to be among the most popular downloads from ACM Digital Library. The SIGMOD conference continues to be co-located with the Principles of Database Systems (PODS) conference, bringing together theoreticians and experimentalists. We have an ongoing Undergraduate Scholarship Program that subsidizes four to six undergraduate students from various institutions around the world to attend the annual conference. This year we awarded six scholarships to students from four countries.

SIGMOD, like most other SIGs, has experienced a slow decline in membership in the first part of the 1990s. We've worked hard to reverse this trend. Our membership numbers seem to be holding (almost) steady, although there are occasional movements in the numbers.

6 Collaborative Efforts

We've already mentioned our sister societies. Most have given permission for significant amounts of technical material to appear in the SIGMOD Digital Library. We've also cooperated closely with SIGIR in the DL, and, as mentioned, with SIGKDD in membership promotions. As indicated above, we are collaborating with the VLDB Endowment to jointly sponsor the distribution of SIGMOD Silver Edition to international institutions and researchers. Our collaboration with VLDB Endowment has now extended to cooperation in the running of our conferences. The SIGMOD and VLDB Conferences now coordinate the resubmission of papers from one conference to the next. In a sequence of conferences, authors of a rejected submission to one conference (say conference n) who revise their paper, successfully

address the critical comments of the reviewers, and submit the revised paper to the next conference (say conference n + 1), will be given the option to explicitly flag their new submission as a resubmission with a request-for-using-the-previous-reviewers and an attachment that explains how the previous reviewers' comments have been addressed. The re-submission to n+1 will be considered similar to a second round submission to a journal. As noted earlier, this was the first year of the "roll-over" review process between the SIGMOD and VLDB conferences in which papers were both received by SIGMOD and forwarded to the next VLDB conference. From VLDB05, 5 rollover papers were submitted. One of the 5 papers was withdrawn by the authors; of the remaining 4, 2 were accepted. The SIGMOD06 PC recommended 11 rollover papers to VLDB06. Of these, 7 were eventually submitted to VLDB06. This experiment between SIGMOD and VLDB conferences will be conducted for two years and, after necessary adjustments, will be extended to include IEEE International Conference on Data Engineering (ICDE), if this is deemed appropriate.

7 Leadership Development

The activities listed in Section 2 all require volunteers to accomplish, and leaders to organize. The number of people leading efforts, and the number of people in standing committees and editorial boards, have been increasing. Currently, over 300 volunteers are actively helping with SIGMOD activities and deliverables. A regular program at the annual SIGMOD conference is a "Life after Graduation" panel, which is widely attended. This is designed as an informal forum in which recent graduates who have taken up positions within research organizations or academia can get support and advice from peers and senior colleagues.

One of the major efforts over the last few years has been to institutionalize many of the operations of SIGMOD. We have created a number of new positions and found volunteers to fill them. The objective was to achieve a state where the Chair is not involved in the minute details of every operation of the organization. We have now achieved this goal. Following elections, a new set of officers took over this year.

Chair: Raghu Ramakrishnan (University of Wisconsin, USA),
Vice Chair: Yannis Ioannidis (University of Athens, Greece)
Secretary-Treasurer: Mary Fernandez (AT&T Research, USA).

8 Self Assessment

SIGMOD is a thriving, very active SIG which is among the top six largest SIGs. SIGMOD has worked hard to reverse the trend of decreasing membership by means of superior membership benefits. Our membership numbers are now (almost) stable and our post-first-year retention rate is among the highest of all the SIGs (around 76%). However, our first year retention rate is low (in the mid-50% range). We recognize that we need to mount a well-organized membership drive. SIGMOD also has been aggressive in putting its materials on the Web; at this time all of SIGMOD's materials: almost 30 years of conference proceedings and newsletter issues, and video from the last few plenary sessions, are on the Web.

A third source of pride is the involvement of all of the major database societies in the SIGMOD Digital Library. This involvement was critical, for two reasons. One, we could include material only if we had permission. And two, SIGMOD could not afford to digitize all that material alone; we relied on the copyright owners to pay for the digitization. We now look forward to these organizations to put this material, which now exists in digital form, on the web, either on their web site, or, if they prefer, on ours.

9 Concerns for the Future

The fundamental concern is with respect to SIGMOD's fund balance. Over the last four years, we have spent significant effort to streamline our activities and re-organize them with the objective of maintaining a fund balance of about $50,000 above the required level. We achieved that level three years ago. Unfortunately, the recent changes in ACM rules regarding SIG fund balances has pushed us very close to the fund balance. Currently, our estimated closing fund balance for 2006 is $170,000, which is just above the required $165,000. Although we remain above the required fund balance, we are now short of our goal of having a reasonable "cushion". Given the cost of our current membership benefits and the fact that we raised the membership fee only last year, there is no clear set of steps that can be taken to get our fund balance to the level that we had set for ourselves. This will require more attention.

Another issue that requires our attention is membership. With the recent adjustment of our membership fee, we are now in a position to start a membership drive to increase new members. Our membership retention rates after first year are one of the highest among the active SIGs, but our first year renewal requires some improvement. This will be an issue that will be addressed this year.

While these concerns are real, we feel that SIGMOD is a strong organization, and we have every expectation of it continuing to provide useful benefits to its members, and thereby to thrive and indeed continue to grow.

SIGOPS FY'05 Annual Report
July 2005 - June 2006
Submitted by: Keith Marzullo, SIGOPS Chair

This report covers the ACM year of July 2005 through June 2006.

SIGOPS was found viable by the ACM SIG Governing Board on August 2005. The next review will be in four years.

SIGOPS sponsored or co-sponsored the many top-rate conferences, including Principles of Distributed Computing (PODC, held in July 2005 in Las Vegas, Nevada), Embedded Network Sensor Systems (SenSys, November 2005, in San Diego, California), Virtual Execution Environments (VEE, June 2006 in Ottawa, Canada), Mobile Systems, Applications, and Services (Mobisys, June 2006 in Uppsala, Sweden), and Networked Systems Design and Implementation (NSDI, May 2006 in San Jose, California). We also held the SIGOPS flagship conference, Operating Systems Principles (SOSP), in the United Kingdom, at the seaside resort of Brighton, England in October 2005.

At PODC, the annual Edsger W. Dijkstra Prize was given to Marshal Pease, Robert Shostak, and Leslie Lamport for "Reaching agreement in the presence of faults", Journal of the Association of Computing Machinery, April, 1980, 27(1):228-234. Quoting from the award statement, "This short and beautiful paper provided the first fault- tolerant algorithms for the problem that, following later work by the same authors, became known as Byzantine agreement ... (that) quickly became one of the most widely studied problems in distributing computing, with applications throughout the field of computer science."

At SOSP four papers were awarded the "Hall of Fame" award. They were Dijkstra, E. W. 1967. The structure of the "THE"-multiprogramming system. http://portal.acm.org/citation.cfm?id=800001.811672; Denning, P. J. 1967. The working set model for program behavior. http://portal.acm.org/citation.cfm?id=800001.811670 ; Lampson, B. W. 1983. Hints for computer system design. http://portal.acm.org/citation.cfm?id=800217.806614 and Ritchie, D. M. and Thompson, K. 1973. The UNIX time-sharing system. http://portal.acm.org/citation.cfm?id=800009.808045

The very active European SIGOPS chapter held their first conference, EuroSys, in Leuven, Belgium in April 2006. It was a very successful conference, with an international program on topics ranging from traditional topics such as device drivers to newly important areas such as forensics. They also held a workshop aimed at helping researchers to write effective systems papers.

Jeanna Matthews has taken over at the helm of SIGOPS Operating Systems Review. She has changed the format considerably, with a stronger emphasis on special topics with guest editors.

I would like to thank to all of those who work with us to make SIGOPS activities a great success: all the program chairs and their committees, all the general chairs and their committees, and all the ACM staff. I particularly thank my co-officers Gilles Muller, Jeanna Matthews, and Geoff Voelker, and our ACM program manager Fran Spinola.

SIGPLAN FY '06 Annual Report
July 2005—June 2006
Submitted by: Jack W. Davidson, SIGPLAN Chair

Overview

SIGPLAN had a very strong year with excellent attendance at conferences and workshops.
Conference attendance has grown somewhat over the past year. We believe the growth in conference
attendance is due in part to the number of co-located conferences and workshops at
the major SIGPLAN conferences (PLDI, POPL, ICFP and OOPSLA).

SIGPLAN's financial situation is strong and we are funding a number of initiatives. We are subsidizing
the upcoming HOPL conference so that the program committee can meet and work to make the final
papers suitable for archival publication. We are also supporting various projects in conjunction with
ACM's History Committee (described in more detail below). We continue to provide scholarships for
student authors to attend SIGPLAN-sponsored conferences.

A good resource for viewing our activities is the SIGPLAN web page at: http://www.acm.org/sigplan.

Conferences

We sponsored a large number of conferences and workshops in 2006. The major conferences were
PLDI, POPL, ICFP, OOPSLA, LCTES, VEE, and PPoPP. We are pleased to report the growth in the
number of workshops that SIGPLAN is holding in conjunction with its conferences. For example, at
POPL 2006 (held in Charleston, SC), there were the following affiliated events:

 * Foundations and Developments of Object-Oriented Languages (FOOL/WOOD)
 * Partial Evaluation and Semantics-Based Program Manipulation (PEPM)
 * Practical Applications of Declarative Languages (PADL)
 * Programming Language Technologies for XML (PLAN-X)
 * Semantics, Program Analysis and Computing Environments for
Memory Management (SPACE 2006)
 * Verification, Model Checking and Abstract Interpretation (VMCAI)

Similarly, at PLDI 2006 (held in Ottawa, Canada), there were the following affiliated events:

 * International Symposium on Memory Management (ISMM)
 * Conference on Languages, Compilers, and Tools for Embedded Systems (LCTES)
 * International Conference on Virtual Execution Environments (VEE)
 * Workshop on Transactional Memory Workloads
 * ACM SIGPLAN Workshop on Programming Languages and Analysis for Security (PLAS)
 * First ACM SIGPLAN Workshop on Languages, Compilers, and Hardware Support for Transactional
Computing (TRANSACT)

These co-located events no doubt contributed to the strong attendance at our flagship conferences.
Both POPL and PLDI had over 300 attendees. The number of co-locate events (especially new
workshops) is indicative of vibrancy of the programming language research community.

Awards

SIGPLAN made the following awards in 2006.

 * 2006 SIGPLAN Programming Languages Achievement Award: Ron Cytron, Jeanne Ferrante, Barry
Rosen, Mark Wegman, and Kenneth Zadeck
 * 2006 SIGPLAN Distinguished Service Award: Hans Boehm
 * Most Influential 1996 PLDI Paper Award: TIL: A Type-Directed Optimizing Compiler for ML, by
David Tarditi, Greg Morrisett, Perry Cheng, Christopher Stone, Robert Harper, and Peter Lee

* Most Influential 1996 POPL Paper Award: Points-to Analysis in Almost Linear Time, Bjarne Steensgaard

OOPSLA is considering instituting an award patterned after our existing "Most Influential Paper Awards." These are retrospective awards given to recognize a paper published ten years ago that had significant impact.

Other programs

SIGPLAN is sponsoring several projects with ACM History Committee. We have funded the capture of an oral history from Jean Sammet. We are also funding the transcription of interviews with Ralph Griswold (creator of SNOBOL and ICON) that were taken in 1972. We have also approved capturing oral histories of John McCarthy, Tony Hoare, and Adele Goldberg. These oral histories will appear in the Digital Library.

Key issues for next 2-3 years

Over the past few years, we have made several adjustments to the cost of SIGPLAN membership. However, the membership dues that include receiving a copy of SIGPLAN Notices in the mail still do not cover the mailing costs. We are considering moving materials that are submitted for printing in SIGPLAN Notices to the Web and using the paper copy of SIGPLAN Notices solely for the dissemination of conference proceedings. We have discussed this step with the membership at several conferences and the proposed change was received with enthusiasm.

Some of the major overseas research centers have asked SIGPLAN to consider capturing some of the major conferences (e.g., POPL and PLDI) on video and placing the talks in the digital library for subsequent access. We are exploring this concept but it brings up several issues such as the affect on attendance at the conference, copyright issues, and overall cost and sustainability. We expect to do a pilot project in the next year or so. POPL seems to be the most likely candidate conference for a trial run.

SIGSAC FY'06 Annual Report
July 2005 - June 2006
Submitted by: Virgil D. Gligor, SIGSAC Chair

1. SIGSAC CONFERENCES AND WORKSHOPS

SIGSAC's mission is to develop the information security profession by sponsoring high quality research conferences and workshops. SIGSAC's first sponsored event was the ACM Conference on Computer and Communications Security (CCS) in 1993. Since then, it has been held twice in Fairfax, Virginia (1993, 1994), and once each in New Delhi, India (1996), Zurich, Switzerland (1997), San Francisco (1998), Singapore (1999), Athens, Greece (2000) and Philadelphia (2001). Since 2002, CCS has been held in Washington, DC. We expect it to remain in the DC area for some time.

From its inception, CCS has established itself as among the very best research conferences in security. This reputation continues to grow and is reflected in the high quality and prestige of the program. In 2005, the CCS acceptance rate was 15% (i.e., 38 papers accepted from 250 submitted). Undoubtedly, CCS is one of the most competitive conferences in the area. As in previous years, the program of CCS included a parallel industry and tutorials track and seven co-located workshops. We expect that the CCS submission rate and attendance to remain high in the near future.

Starting in 2001, SIGSAC launched a second major annual conference called the ACM Symposium on Access Control Models and Technologies (SACMAT). The first three meetings were held in Chantilly, Virginia; Monterey, California; and Como, Italy. From 2002, SACMAT meetings have been co-located with the IEEE International Workshop on Policies for Distributed Systems and Networks. The 2006 SACMAT was held in Lake Tahoe, California. The symposium attracted 82 submissions of which 25 papers were accepted for presentation at the conference (a 30% acceptance rate). CCS and SACMAT give SIGSAC and ACM two major annual conferences, in spring and fall. Both conferences have a strong future and have developed very good reputations.

This year, SIGSAC launched a third major conference, namely ACM Symposium on Information, Computer and Communications Security (AsiaCCS), which was held in Taipei, Taiwan, on March 21-23, 2006. AsiaCCS received 186 submissions from 26 countries (i.e., 10 from Europe, 12 from Asia, 2 from North America and 2 from Africa) and accepted rate was 17%. This indicates a very strong start for this conference and suggests that interest in the information security area outside North America is growing.

2. SIGSAC PUBLICATION INITIATIVES

ACM Transactions on Information and Systems Security (TISSEC) remains our major journal venue for research publications. We do not expect to sponsor another journal for the foreseeable future.

3. SIGSAC SPECIAL PROJECTS

SIGSAC intends to launch its fourth major conference, on Wireless Network Security, in the spring of 2008. This conference will merge two successful ACM workshops, namely WiSe (held in conjunction with Mobicom) and SASN (held in conjunction with CCS). We have had substantial interest in sponsoring this new conference from US Army Research Laboratory and Department of Homeland Security.

4. AWARDS

This year SIGSAC offered the first two annual awards: SIGSAC Outstanding Innovation Award and SIGSAC Outstanding Contributions Award. The 2005 SIGSAC Outstanding Innovation Award was given to Dr. Whitfield Diffie of SUN Microsystems. The 2005 SIGSAC Outstanding Contribution Award was given to Dr. Peter G. Neumann of SRI International.

5. **ACM DIGITAL LIBRARY**

ACM Digital Library has become an important source of revenue for all SIGs. With the addition of several workshop proceedings, SIGSAC received a healthy share of the total revenue. SIGSAC will seek new ways to add to the library's content (such as collecting speakers' slides and videos of conference invited talks, tutorials, and paper presentations) to strengthen and broaden its appeal to all subscribers.

6. **SUMMARY**

SIGSAC is in excellent shape both in terms of successful technical activities and financially. We expect that, in the coming years, SIGSAC will continue to sustain and build on existing activities.

SIGSAM FY'06 Annual Report
July 2005 - June 2006
Submitted by: Emil Volcheck, SIGSAM Chair

The SIGSAM homepage is at http://sigsam.org/ .

Membership

As of 30 June 2006, SIGSAM had 296 members, down from 357 a year ago.

This decrease can be explained in part by the fact that the current figure does not include ISSAC 2005 complimentary memberships, while last year's figure includes ISSAC 2004 complimentary memberships. SIGSAM issued six-month complimentary memberships to those who registered for ISSAC 2005 as nonmembers, and these memberships expired in May 2006. The old membership figure can be broken down as 302 regular members plus 55 ISSAC 2004 participants who received one-year complimentary memberships. While the current figure does appear to be a significant decrease from the previous year, this figure does better reflect the stable core of SIGSAM membership.

The program of complimentary memberships does not appear to have resulted in long-term increase in membership, so SIGSAM has discontinued the program and did not issue complimentary memberships for ISSAC 2006.

Financial Summary

The SIGSAM fund balance as of 30 June 2006 was 4450 USD, down from an opening balance of 8887 USD. Despite the decrease in the closing balance, SIGSAM was essentially revenue-neutral for FY 2006. This stability is obscured by difficulties in the accounting of income and expenses across the fiscal year boundary.

Our treasurer worked with ACM Finance to account for the decrease and has found three items that account for most of the decrease. First, the June 2005 issue of our quarterly publication was charged to FY 2006, rather than FY 2005, which artificially inflated our closing balance for FY 2005. Second, the ISSAC proceedings from both 2005 and 2006 were charged against FY 2006, which artificially deflated our closing balance for FY 2006. Third, a conference income credit from ISSAC 2005 expected in FY 2006 did not appear until July 2006 (hence in FY 2007), artificially deflating the FY 2006 closing balance.

We believe SIGSAM finances are improving. We are taking steps to save on costs and are trying to better understand and account for our income and expenses. These steps include (1) saving on production and distribution costs for our quarterly publication by printing and mailing two double issues per year, while electronically publishing four issues per year as before, (2) reducing storage costs, (3) discontinuing the ISSAC complimentary memberships. We look forward to an increase in our closing balance at the end of FY 2007.

Viability

The next viability review for SIGSAM is in March 2007.

ACM Communications in Computer Algebra

During the past year, we again published four issues of our quarterly publication. Starting with Volume 40 for the year 2006, we have changed the name of our publication from the "SIGSAM Bulletin: Communications in Computer Algebra" to the "ACM Communications in Computer Algebra" (CCA). Volume 39 for the year 2005 had a total of 148 pages. Ilias Kotsireas and Austin Lobo continue to serve as co-Editors, and Chris Brown continues to serve as the Associate Editor for Formally Reviewed Articles.

ISSAC Conferences

ISSAC 2005 in Beijing, China posted a loss of approximately 2800 USD.

ISSAC 2006 in Genoa, Italy was hosted by the Department of Mathematics of the University of Genoa and was a successful event. Preliminary figures indicate the conference will at least break even and possibly come in slightly under budget.

ISSAC 2007 will be held in Waterloo, Canada. Sponsorship is yet to be determined.

Organization

The officers of SIGSAM are in the final year of their second two-year term of office. The officers are

Emil Volcheck (Chair)
Werner Krandick (Vice Chair)
Fabrice Rouillier (Secretary)
Wayne Eberly (Treasurer)
Rob Corless (Past Chair).

Werner Krandick was appointed to fill the vacancy left by the untimely passing of Manuel Bronstein. Fabrice Rouillier was appointed to fill the vacancy left after Mark van Hoeij stepped down.

Elections will be held in 2007. The Nominating Committee will be jointly chaired by Rob Corless (Past Chair) and Bob Caviness (former SIGSAM Chair).

The SIGSAM Executive Committee receives advice from a ten-member Advisory Board. The membership is listed at this URL:

http://acm.org/sigsam/officers/advisory-board.html .

The newest member of the Advisory Board is Prof. Joachim von zur Gathen, who was elected at ISSAC 2006.

Annual General Meeting

The 2006 Annual General Meeting (AGM) of SIGSAM was held at the ISSAC 2006 conference in Genoa, Italy. The slides from the Chair's Report are available at URL

http://acm.org/sigsam/officers/AGM/2006/Chair/Chair_Report.pdf .

Executive Committee Activities

SIGSAM made progress on several initiatives this year.

Awards

This year ACM officially designated the Richard D. Jenks Memorial Prize as an ACM SIGSAM prize. The Jenks Prize recognizes excellence in software engineering applied to computer algebra. SIGSAM nominated this award, which was previously administered by an ad hoc committee of community leaders, for consideration as an ACM SIG-level award and facilitated the process. The new prize selection committee has one representative each from SIGSOFT and SIGSAM, representing a new cooperative effort between our two SIGs.

The 2006 ACM SIGSAM Richard D. Jenks Memorial Prize was awarded to Prof. John Cannon of the University of Sydney for the Magma computer algebra system.

Research Funding Initiative

Inspired by the theoretical computer science community, SIGSAM has begun an effort to prepare a "white paper" on the importance of research in computer algebra and symbolic computation. A committee has been formed, and we have received offers of support and assistance from an NSF Program Officer in the CCF cluster and from the Executive Director of the CRA.

Outreach to the Mathematics Community

SIGSAM supported a special session on symbolic computation at the largest US mathematics conference, the Joint Mathematics Meetings. SIGSAM provided a small travel grant to the session organizers to open the door. With the support of the session organizers, we received permission from the American Mathematical Society to publish abstracts from the session in CCA. We offered the AMS a free advertisement in that issue of CCA. They accepted, and then provided some AMS computer algebra books to display and donate at the ISSAC 2006 conference. We also contacted the Executive Editor of "Mathematical Reviews" in regard to expediting inclusion of SIGSAM and ACM content in their reviewing service and provided them with ISSAC proceedings on CD. These interactions mark the beginning of stronger ties between SIGSAM and the AMS.

Support to the ISSAC Community

SIGSAM sponsored the ISSAC 2005 conference and absorbed the loss of approximately 2800 USD. SIGSAM sponsored ISSAC 2006 and offered assistance with budget review and preparation. SIGSAM produced DVDs for ISSAC 2006 containing the proceedings and a selection of free and open source computer algebra software.

Membership Initiatives

SIGSAM received approval to offer a discount membership rate to members from economically developing countries, with a temporary waiver of dues for those without easy access to Western currency.

SIGSIM FY'06 Annual Report
July 2005 - June 2006
Submitted by: Simon J.E.Taylor, SIGSIM Chair

Mission:

The ACM Special Interest Group on Simulation (SIGSIM) is advancing the state-of-the-art in simulation and modeling through a world-wide membership of cross-disciplinary professionals.

Services:

SIGSIM is an ACM Special Interest group (SIG) providing the following services and publications in exchange for its membership fees.

Proceedings:
- Proceedings of the Annual Winter Simulation Conference (CD-ROM version)
- Proceedings of the Annual Parallel and Distributed Simulation Workshop

Electronic Groups:
- ACM SIGSIM Web Site: http://www.acm.org/sigsim
- ACM SIGSIM Mailing List: http://sigsim@acm.org
- USENET News Group: comp.simulation

Online Distinguished Lectureship Series http://www.acm.org/sigsim
- Historic and leading-edge material
- Multimedia presentations
- Hosted on SIGSIM web site (members-only)
- Three completed
  - Phil Kiviat
  - Paul Fishwick
  - Roger Smith

ACM Digital Library Content Access:
- SIGSIM members are granted full access to the SIGSIM-sponsored portions of the ACM digital library, including full-text access to all or portions of the following:
- ACM SIGSIM NEWSLETTER
  - Simulation and Modeling
- PROCEEDING SERIES
  - ANSS: Annual Simulation Symposium
  - MSWiM: International Workshop on Modeling Analysis and Simulation of Wireless and Mobile Systems
  - PADS: Workshop on Parallel and Distributed Simulation
  - SCN: Simulation of Computer Networks
  - SIGMETRICS: Joint International Conference on Measurement and Modeling of Computer Systems
  - WSC: Winter Simulation Conference

Conferences:
SIGSIM sponsors the following conferences.

Topic: International Symposium on Modeling, Analysis, and Simulation of Wireless and Mobile Systems (MSWiM)
Frequency: Yearly in October
Location: Varies
Attendance: around 50
Web site: Varies
Sponsorship: 100%

Topic: Winter Simulation Conference (WSC)
Frequency: Yearly in early December
Location: Varies; every 3rd year in Washington, DC
Attendance: around 600
Web site: http://www.wintersim.org
Sponsorship: 1/6

Topic: Workshop on Principles of Advanced and Distributed Simulation (PADS)
Frequency: Yearly, in late spring
Location: Varies
Attendance: around 40
Web site: http://www.pads-workshop.org
Sponsorship: 1/3

SIGSIM has an "in-cooperation" agreement with the following conferences.

Topic: International Workshop on Inter-Domain Performance and Simulation
Frequency: Yearly in March
Location: Varies
Attendance: around 50
Web site: http://www.tmit.bme.hu/

Topic: Simulation Workshop Series – UK Operational Research Society
Frequency: Yearly mid-September
Location: Various locations in the UK
Attendance: unknown
Web site: http://www.orsoc.org.uk

Topic: Simulation Interoperability Workshop (SIW) – Simulation Interoperability
Standards Organization (SISO)
Frequency: Spring and Fall each year
Location: Various locations; often in Orlando
Attendance: unknown
Web site: http://www.sisostds.org

Topic: Simulation Interoperability Workshop (SIW) – Europe (targeted / pending)
Frequency: Spring each year
Location: Various locations in Europe
Attendance: unknown
Web site: http://www.sisostds.org

Topic: Training, Education, & Simulation International (TESI)
Frequency: Yearly
Location: Varies
Attendance: unknown
Web site: http://www.tesi2005.com

SIGSIM Membership:

As of Dec 2005, SIGSIM had 532 total members. SIGSIM's membership history still roughly tracks with the general trend of all ACM SIGs.

SIGSIM Management:

This year, SIGSIM resumed officer elections – the first time since the SIGSIM elections in 1999. SIGSIM was previously considered a "conference-only SIG" (elections were not required for SIGS with that classification). As a point of history, Autumn '03 ACM and the SIG Governing Board (SGB) removed the various SIG categories. There are now simply SIGS, each producing a list of member benefits detailing the specific services the SIG provides for its members, rather than a fixed set of SIG categories. In conjunction with this change, every SIG returned to the practice of holding elections.

SIGSIM, thanks to the efforts of our nominating committee chair, Ernie Page, successfully fielded a great set of candidates, and completed the elections.
The new SIGSIM officers are:
Chair: Simon Taylor, chair_SIGSIM@acm.org
Vice-chair: George F. Riley, vc_SIGSIM@acm.org
Secretary/Treasurer: Drew Hamilton, treasurer_SIGSIM@acm.org

On behalf of the organization, I would like to reiterate the thanks of the previous chair and thank all of the candidates for their contributions to SIGSIM, and the time and effort invested into running for an office. I hope you will continue to be an active supporter of SIGSIM.

Finances:

SIGSIM financial status is strong for a SIG of this size and exhibits a strong trend to remain in that condition. In prior years, SIGSIM voiced strong concerns over the SIG allocation charges. As a small SIG primarily supporting conferences, we believed the charging model was unsupportable. However, our current view is that it is an appropriate level but should not increase. This, along with the Digital Library income, has contributed greatly to a positive financial situation. With a full year of the updated (reduced) allocation charge, and good Digital Library income allocated to SIGISIM, we have seen our fund balance stabilize and begin to grow. We will continue to remain diligent and work with the SGB to stay current on this topic.

Technical Program Goals and Milestones:

SIGSIM is the leading simulation professional group in the world. We support two of the leading conferences in the field - WSC and PADS. We would like to increase our value to our membership, and will strive towards the following goals:

- Support the WSC Student PhD Colloquium and introduce SIGSIM Best Student Paper Award
- Continue to support leading simulation conferences
- Seek out and add more "in-cooperation" conferences to help add exposure for the conferences while adding Digital Library content for SIGSIM members
- Improve communications between ACM and SIGSIM leaders
- Improve communications between SIGSIM leaders and SIGSIM members
- Learn how to better serve the SIGSIM membership

SIGSOFT FY'06 Annual Report
July 2005 - June 2006
Submitted by: William G. Griswold, SIGSOFT Chair

SIGSOFT has had an excellent year. A new set of officers took their positions, with a large number of new faces coming on board.

Due to the growing number of elected positions being held by Europeans, our European Liaison position was retired, and we instituted a South Asia Liaison, reassigning our Asia Liaison to focus on North Asia. Due to the large growth in the number of conferences that we (co)sponsor and cooperate with, we also reassigned responsibility for in-cooperation conferences from our Vice Chair to the Secretary/Treasurer. We have also more clearly delineated the roles of our at-large members, namely awards, education, and digital library issues.

On the awards front, we continued to make our annual service and research awards. This year's ACM SIGSOFT Distinguished Service Award was presented to Prof. Carlo Ghezzi of Politecnico di Milano. We awarded the ACM SIGSOFT Outstanding Research Award to David Harel of The Weizmann Institute of Science in Israel. The awards were announced at ICSE 2006 in Shanghai, with the presentation to Prof. Ghezzi taking place at the conference. Dr. Harel will receive his award at SIGSOFT 2006 in November 2006, and will give a keynote address. We made a number of ACM SIGSOFT Distinguished Paper awards across our sponsored conferences. We did not award the Most Influential Paper from ICSE N-10 this year, as the ICSE 2006 PC chose not to award a paper. We made several dozen awards to students for travel support to SIGSOFT-sponsored conferences, under our CAPS (Conference Attendance Program for Students). Finally, we are proud to have ACM's approval for the Frank Anger Memorial Award, a joint SIGSOFT-SIGBED student travel award in honor of the memory of Frank Anger, who served the community for many years through his work as a program director at NSF.

Our major conferences continue to be strong – in attendance, sound finances, and intellectual vibrancy. ESEC/FSE 2005 was held in Lisbon, Portugal, under the leadership team of Michel Wermelinger (general chair) and Harald Gall (program chair). ICSE 2006 was held in Shanghai, China, under the leadership team of Leon Osterweil (general chair), and Mary Lou Soffa and Dieter Rombach (program co-chairs). Holding ICSE – a multi-track event on the scale of a thousand participants – in a country with an emerging economy and high-tech industry was a major accomplishment. The event was critical to helping the global community appreciate the monumental changes that are taking place in China and throughout Asia.

SIGSOFT 2006 will be in Portland, Oregon, with Michal Young as general chair and Prem Devanbu as program chair. FSE 2007 will be joint with the European Software Engineering Conference (ESEC) in Dubrovnik, Croatia, in September 2007. Antonia Bertolino is the program chair, and Ivica Crnkovic is the general chair. SIGSOFT 2008 is planned to be held in Atlanta, Georgia in November of that year, with Mary Jean Harrold as General Chair and Gail Murphy as program Chair. ICSE 2007 will be in Minneapolis, Minnesota, with John Knight as general chair, and Wolfgang Emmerich and Gregg Rothermel as program co-chairs. ICSE 2008 will be in Leipzig, Germany, with Wilhelm Schäfer as general chair, and Matthew Dwyer and Volker Gruhn as program co-chairs. ICSE 2009 is planned for Vancouver BC, Canada, with Stephen Fickas as General Chair and Paola Inverardi and Joanne Atlee as program co-chairs.

We continue to experiment with the affordances of digital publishing. For the second year, ICSE has provided a paper proceedings only as an option. This year, the proceedings instead was made available on a USB memory stick, financed by a corporate donation to the conference. FSE 2006 will take a digital publication approach as well. Based on feedback from our membership at our "Town Meeting" at ICSE 2006, the FSE 2006's proceedings will be available in the ACM Digital Library prior to the conference. This will permit attendees to download and print papers in advance of the conference, providing both the cost benefits of digital publication and the affordances of paper. In a parallel effort, we are now using e-mail to encourage our authors to link their web sites to their articles in the ACM Digital Library.

Will Tracz has continued to make our newsletter, SEN, stronger and better as we move into the digital era. We have moved away from mailing out two proceedings per year. Rather than move totally online, SEN still prints and mails "tip of the iceberg" content such as conference abstracts and key articles and columns (such as RISKS). This has dramatically reduced costs, but provides the essential value that SEN has always provided – bringing key information to our membership's attention.

An important initiative that SIGSOFT has engaged in is the SIGSOFT Software Engineering Dissertation Catalog, whose goals are to create a record of the research activity of our youngest researchers and ease access to this content for computer scientists and historians, which is normally dispersed in obscure locales on the internet. Begun by our past Chair Alex Wolf, this year we undertook an aggressive e-mail solicitation with the help of Tao Xie's family tree of academic software engineering research. This has resulted in essentially doubling the content of our catalog, as well as heightening the community's awareness of its presence.

In the coming year we will be focusing on membership, the digital library as before, revising our bylaws, and awards. Our membership has been trending slowly lower, as in many SIGs, but we're going to be making the case to our broader community that membership brings value that is far in excess of the cost of membership. In particular, we'll be looking at international membership, student membership, and the membership of our conference attendees. Our bylaws are out of date, and although they are not doing us harm, they are not serving us well, either. We have asked David Notkin, a past SIGSOFT chair, to lead an effort to modernize our bylaws. Many of the remarkable accomplishments of our community are under-recognized.   This coming year we will be putting the Anger Award into implementation, while also looking to add a dissertation award and perhaps an educator's award.

SIGUCCS FY'06 Annual Report
July 2005- June 2006
Submitted by: Leila C. Lyons, Chair

SIGUCCS (Special Interest Group for University and College Computing
Services) hosted two successful conferences during 2005-2006 and ended the year with a significant
fund balance. Membership continues to increase due, in part, to marketing efforts and reduced
registration for SIGUCCS members at conference events.

The Executive Committee members for 2005/2006 were: Chair, Leila Lyons; Vice Chair/Conference
Liaison, Nancy Bauer; Secretary, Jen Whiting; Treasurer, Bob Haring-Smith; Information Director, Terry
Lockard; Robert Paterson served as the immediate past-chair. Jen Whiting assumed additional
responsibility for vendor relations in anticipation of the end of Shiree Moreland's term of office.

Several volunteers in Executive Committee-appointed positions head specific operational areas: Ethan
Benatan coordinated tutorials/workshops for the both conferences; Shiree Moreland coordinated vendor
relations through CSMS 2006; Lynnell Lacy coordinated the state captains program; Jim Bostick
chaired a financial and strategic planning committee; and Greg Hanek coordinated the Communication
Awards program. These volunteers contributed significantly to the ongoing success of the organization
and conferences.

Planning
The Executive Committee holds planning meetings during each conference and conference calls
between these meetings.

A financial and strategic planning committee, chaired by Jim Bostick, addressed the SGB EC's
concerns about SIGUCCS' declining fund balance and long-term financial viability and concluded that
there is not a regular decline, rather there were planned expenses which reduced the excess.
Specifically,
* The $60K decline is due to a ~$40K deficit in 2003 because of conscious financial decisions made in
2003. These included funding of the Penny Crane award, revitalizing CSMS, and a special event to
recognize the 30th anniversary of CSMS.
* Also in 2003, dues revenue decreased significantly because the transition to a conference only SIG
resulted in the previous years' members not being billed.
* The conference management group (CTE) was hired. The initial year's fee was paid by the board; the
allocation into ACM increased because the allocation is based on the total expenses.

The SIGUCCS treasurer also examined the liability of our conferences.
ACM currently requires $144K, and as of June 30, 2006 we had $307,356 in the fund balance. The
treasurers of both conferences are now required to work more closely with the SIGUCCS treasurer on
conference finances.

Strategic planning efforts focused on continuing to increase membership, which has been growing
since 2001, and understanding the needs of our members in order to provide services of value. To
better reflect the current SIGUCCS membership, which has changed over the years, and the focus of
our services, we reviewed our mission statement and plan to propose a revision to the SGB EC.

In the coming year we plan to develop a coherent vision of SIGUCCS and market this to the
membership and to institutions of higher education, as well as a cohesive strategy towards vendor
participation in our two conferences. We will also submit to ACM a proposal for use, in a controlled way,
of monies in the fund balance that exceed ACM's requirement in order to provide some financial
assistance to our conferences to ensure that they remain viable and serve the SIGUCCS membership.

Awards Program
The SIGUCCS Awards Programs have been in place for several years. The Penny Crane Award
recognizes significant multiple contributions to SIGUCCS from individuals over an extended period of
time. The Hall of Fame awards recognize the many individuals who have contributed their time and
energies to benefit SIGUCCS. For descriptions of the awards programs please go to:
www.acm.org/sigs/siguccs/awards.htm

Penny Crane Award – J. Michael Yohe was the recipient of the 2005 Penny Crane Award, for more information please go to:
http://www.siguccs.org/awards/PCraneAwards/pc2005.htm

Hall of Fame - There were 5 people inducted into the Hall of Fame. They
were: Kay K. Beach, Jim Bostick, Jennifer Fajman, Glenn R. Ingram (posthumously), and Mervin E. Muller. For a description of the recipients please go to:
www.acm.org/sigs/siguccs/awards/HallFame/fame2005.htm

The Chair of the SIGUCCS Awards Selection Committee, Jerome Smith, worked with the Executive Committee this year to establish an orderly rotation, based on the calendar year, of the committee's membership as described in http://www.siguccs.org/awards/committee.htm. Two new members, Linda Hutchison and Diane Jung, replaced Jean Bonney and Marion Taylor who retired from the committee at the end of 2005.

2005 User Services Awards - As we have done for many years, we held our Communications Awards competition in conjunction with the Fall User Services Conference in Monterey, CA. A description of these awards and the 2005 winners can be found at: www.acm.org/sigs/siguccs/competit.htm

Judging this competition is a daunting task, traditionally undertaken by the previous year's Communications Awards winners. The Executive Committee appointed Greg Hanek to work with a representative from each Fall Conference committee to oversee the Communications Awards competition from year to year.

Conferences
The thirty-third Fall Conference was held November 6 to 9 2005 in Monterey, CA. The theme was Fishing for New Ideas. 482 people attended the conference, an 8% increase from the previous year. Proceedings were made available in CD ROM format. 122 abstracts were submitted for the program of which 60 were accepted as papers and seven rejected. 31 abstracts were formed into 10 panels and 24 abstracts were accepted for the poster session. The conference had a surplus of approximately $11,000.

Following the practice established for the past several years of moving the conference to new locations, the thirty-third spring Computer Services Management Symposium (CSMS) was held from April 9 to 11, 2006 in San Diego, CA. The theme was: Shedding Light on New Ideas. 123 people attended the conference; 50 were first-time attendees. The program included three plenary sessions with invited speakers, facilitated discussion sessions and birds-of-a-feather sessions. The conference received many favorable comments, particularly for the opportunities that it provided for networking for the attendees.

Future conferences include the Fall User Services Conference to be held in Edmonton, Alberta, Canada, November 5 to 8 2006, and the CSMS in Savannah, GA, March 24 to 27, 2007.

Financial and Membership Issues
(Note: see SIG Services section in the annual report for SIGUCCS financial and membership data.)

We continue to maintain a healthy fund balance, thanks in a large part to the success of our two annual conferences. As of the end of June 2006, our fund balance was approximately $307,356 and our membership was 578, up almost 19% from the previous year.

SIGWEB FY'06 Annual Report
July 2005- June 2006
Submitted by: Peter Nuernberg, SIGWEB Chair

SIGWEB is at the midterm point with its new Executive Committee (XC). The XC, with its mix of experienced and first-time members, is working well together, and is both continuing work started under the previous XC and spearheading new initiatives of its own.

BACKGROUND

SIGWEB represents a unique and interdisciplinary research community centered on augmenting the human intellect, a vision articulated by the legendary computing pioneer Douglas Engelbart nearly half a century ago. Engelbart, Ted Nelson, and other early researchers realized this vision through hypermedia systems, which are still of interest to the SIGWEB community today, including the World Wide Web, the largest hypermedia system ever built. Modern researchers have found a host of other realizations of this vision, ranging from digital libraries to knowledge management systems. SIGWEB includes more than just computer researchers and professionals, though. From cognitive sychologists to ethnographers to anthropologists, SIGWEB embraces those researchers and practitioners that address how people use computers, so that better tools for augmenting the human intellect can be built. SIGWEB also balances the findings of the research world with the experiences of the practical world, in which our ideas and theories are tested daily.

SIGWEB (originally SIGLINK) was founded 15 years ago to provide a home for the hypertext community and conference. We are undertaking many new efforts to make SIGWEB a more valuable resource for our members.

FY 2006 TECHNICAL MEETINGS AND AWARDS

The technical meetings sponsored by SIGWEB include:

  + ACM Conference on Hypertext and Hypermedia (HT) 2005
    (held August 2005 in Salzburg, Austria)

  + ACM Symposium on Document Engineering (DocEng) 2005
    (held in November 2005 in Bristol, United Kingdom)

  + International Conference on Service Oriented Computing (ICSOC) 2005
    (held in December 2005 in Amsterdam, The Netherlands)

  + ACM/IEEE Joint Conference on Digital Libraries (JCDL) 2006
    (held June 2006 in Chapel Hill, NC, USA)

The awards presented by SIGWEB include:

  + The Douglas C. Engelbart Award (HT 2005)

      "What the Geeks Know: Hypertext and the Problem of Literacy"

        Stuart Moulthrop

  + The Theodor Holm Nelson Award (HT 2005)

      "Philadelphia Fullerine: A Case Study in Three-Dimensional Hypermedia"

        J. Nathan Matias

+ The Vannevar Bush Best Paper Award (JCDL 2006)

"Metadata Aggregation and "Automated Digital Libraries:" A Retrospective on the NSDL Experience"

Carl Lagoze, Tim Cornwell, Naomi Dushay,
Dean Ecktrom, Dean Krafft, John Saylor

These papers represent just some of the exciting new technical work being done in our community.

PARTNERSHIPS

The new XC has successfully completed numerous changes to address the wider community, including founding partnerships with a range of new conferences, workshops, and other related professional groups. FY 2007 will see two new conference partnerships. CIKM (Conference on Information and Knowledge Management) 2006, a long-time ACM conference, will be 33% sponsored by SIGWEB starting in 2006. WikiSym 2006, a relatively new ACM forum (held only once before, as a workshop) is 50% sponsored by SIGWEB, an arrangement we are currently working on extending into the near-term future.

GOALS

FY 2006 saw the completion of our experiment with "electronic format only" proceedings (HT 2005). The feedback on this move has been positive. We hope to extend this policy to other fora as well over the next few years.

The newly started "Transactions on the Web" (TWEB) is an excellent development for SIGWEB members, as it finally gives this community a dedicated transactions-level ACM journal dedicated to themes that closely match the profile of many of our members.

We have started a long-term deal with the "New Review of Hypermedia and Multimedia" (NRHM - Taylor & Francis) whereby our members receive a subscription discount. Likewise, authors at some SIGWEB sponsored conferences are directed to NRHM as a possible publication outlet for expanded versions of their papers.

CONCLUSION

FY 2006 represents a continuation of the path set out upon by the current XC at the beginning of their term. We hope to continue this work into the next fiscal year.