ACM Volunteer Structure

Erik Altman
Chair, SIG Governing Board (SGB)
Goals for this Session

• Overview of **volunteer** leadership for all of ACM
  • where decisions are made
  • where to go with ideas/needs
  • how things work to explain to your members

• Specific details on the SGB and SIG governance
  • how to get things done

• Some recent SGB activities
Overall ACM Structure

ACM Council

ACM Executive Committee

Boards

Committees

Committees

Councils

SGB
Publications
Practitioners
Education

SIGs

ACM-W
USACM
ACM Europe
ACM India
ACM China
Starting at the Top

- ACM Council
  - Final authority on all ACM policy decisions.
  - Approves all major new initiatives.
  - Approves annual ACM budget.
  - etc.

- ACM Executive Committee
  - Handles operational governance
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- ACM Council
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  - Handles operational governance
# ACM Council Members

<table>
<thead>
<tr>
<th>Five ACM EC members</th>
<th>Three SGB-elected reps</th>
<th>Seven at-large members</th>
<th>Two ex officio</th>
</tr>
</thead>
<tbody>
<tr>
<td>• President: Vint Cerf</td>
<td>• Brent Hailpern</td>
<td>• ACM CEO (John White)</td>
<td></td>
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<tr>
<td>• Vice-President: Alex Wolf</td>
<td>• Andrew Sears</td>
<td>• ACM COO (Pat Ryan)</td>
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</tr>
<tr>
<td>• Secretary-Treasurer: Vicki Hanson</td>
<td>• David Wood</td>
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<tr>
<td>• Past President: Alain Chesnais</td>
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<tr>
<td>• SGB Chair: Erik Altman</td>
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</table>
ACM Boards and Councils

• Boards
  • SGB
  • Publications
  • Practitioners
  • Education

• Councils
  • ACM-W
  • USACM
  • Regional
    • ACM Europe
    • ACM India
    • ACM China
## Committees

### ACM EC
- Nominating
- Elections
- History
- Investment
- Compensation
- Constitution and Bylaws
- Computers and Public Policy
- Coalition to Diversity Computing (CDC)
- Committee on Professional Ethics (COPE)
- Computer Science Teachers Association (CSTA)
- ACM International Collegiate Programming Contest (ICPC)

### ACM Council
- Audit Committee
- Awards Committee
When is ACM Council Involved?

Some SIG/SGB items go to ACM EC or Council for approval

- named awards
- some by-laws changes
- annual budgets (in aggregate)
- large actions, e.g. large conference budgets, SIG dissolution
When Are Other Boards / Committees Involved?

• Some activities relevant to SIGs are actually done by, or are best coordinated with, others
  • journals and magazines (Pubs Board)
  • undergrad curriculum (Education Board)
  • public policy (USACM)
  • Awards (Awards Committee)

• Many value SIG participation
SIG Governing Board (SGB)

• **Who**
  - the leaders of each SIG
  - supported by SIG Services (Donna Cappo)

• **What**
  - collective governance
    - setting policies
      - SIG allocation
      - distribution of DL revenue
      - support of CSTA and other funding requests
    - creation / review / oversight of SIGs

• **How**
  - weighted voting: (1 vote) + (1 vote per 1000 members)
    - Transitional SIGs not eligible to vote
SGB EC

• Chair:
  Erik Altman
  Vicki Hanson

• Past Chair:
  Patrick Madden
  Donna Cappo (ACM HQ)

• Publications Advisor:
  Patrick Madden
  Pradip Bose

• Members at large:
  Patrick Madden
  Renee McCauley
  Will Tracz
  Yannis Ioannidis
  Elisa Bertino

  • VC for Operations:
  • SIG Development Advisor:
  • New SIG Advisor:
  • SIG Viability Advisor:
  • SIG Conference Advisor:
  • SIG Awards Advisor:

  • Director of SIG Services:
Role of the SGB Chair and EC

• Administrative and oversight of SGB decisions
• Agendas and recommendations for SGB meetings
• Handle a wide range of “routine” requests specifically delegated to Chair or EC
  • replacement of officers for some SIGs
  • by-laws change review
• Task forces
• Plus whatever else is needed
12 New SIG Chairs – July 2013

<table>
<thead>
<tr>
<th></th>
<th>SIG</th>
<th>Chair</th>
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<tbody>
<tr>
<td>1</td>
<td>SIGAda</td>
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<td>Raj Rajkumar</td>
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<td>SIGCOMM</td>
<td>Srinivasan Keshav</td>
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<td>4</td>
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<td>Susan H. Rodger</td>
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<td>SIGDOC</td>
<td>Liza Potts</td>
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<td>Charles L. A. Clarke</td>
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<td>SIGKDD</td>
<td>Bing Liu</td>
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<td>Suman Banerjee</td>
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<td>SIGMOD</td>
<td>Donald Kossmann</td>
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<td>Shih-Fu Chang</td>
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<td>SIGSAC</td>
<td>Trent Jaeger</td>
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<tr>
<td>12</td>
<td>SIGSAM</td>
<td>Ilias S. Kotsireas</td>
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## 24 Continuing SIG Chairs

<table>
<thead>
<tr>
<th>Number</th>
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<tbody>
<tr>
<td>1</td>
<td>SIGACCESS</td>
<td>Andrew Sears</td>
</tr>
<tr>
<td>2</td>
<td>SIGACT</td>
<td>Paul Beame</td>
</tr>
<tr>
<td>3</td>
<td>SIGAPP</td>
<td>Sung Y. Shin</td>
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<tr>
<td>4</td>
<td>SIGARCH</td>
<td>David Wood</td>
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<td>5</td>
<td>SIGART</td>
<td>Yolanda Gil</td>
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<td>6</td>
<td>SIGBio</td>
<td>Aidong Zhang</td>
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<tr>
<td>7</td>
<td>SIGCAS</td>
<td>Andrew Adams</td>
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<tr>
<td>8</td>
<td>SIGCHI</td>
<td>Gerrit van der Veer</td>
</tr>
<tr>
<td>9</td>
<td>SIGDA</td>
<td>Naehyuck Chang</td>
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<tr>
<td>10</td>
<td>SIGecom</td>
<td>David C. Parkes</td>
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<td>11</td>
<td>SIGEVO</td>
<td>Wolfgang Banzhaf</td>
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<td>SIGGRAPH</td>
<td>Jeff Jortner</td>
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<td>SIGHPC</td>
<td>Cherri Pancake</td>
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<td>14</td>
<td>SIGITE</td>
<td>Rob Friedman</td>
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<td>15</td>
<td>SIGMETRICS</td>
<td>John C.S. Lui</td>
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<td>16</td>
<td>SIGMICRO</td>
<td>Pradip Bose</td>
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<td>Janice Sipior</td>
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<td>SIGPLAN</td>
<td>Jan Vitek</td>
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<td>20</td>
<td>SIGSIM</td>
<td>Paul Fishwick</td>
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<td>21</td>
<td>SIGSOFT</td>
<td>Will Tracz</td>
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<td>Walid G. Aref</td>
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<td>23</td>
<td>SIGUCCS</td>
<td>Kelly Wainwright</td>
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<tr>
<td>24</td>
<td>SIGWEB</td>
<td>Simon Harper</td>
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</table>
SGB Collective Governance

• Examples
  • SIG allocation
  • DL revenue and its distribution
  • viability reviews
  • new SIGs
  • best practices
  • funding requests
SIG Allocation

• One collective obligation of the SIGs:
  Pay a portion of ACM’s operating costs – *cost of doing business*:
  • Conference support
  • Financial support
  • Publications support
  • Volunteer activities
  • Information services
  • Administrative support (legal, elections etc)
• Total amount for FY 2014: $3.010M
• Allocation formula is a sliding scale
  • based on expenses per SIG
  • $10K minimum per SIG
Digital Library Revenue Distribution

- SIG content is major component of the DL
  - Conferences and newsletters

- Revenue-sharing arrangement where SGB receives a percentage of DL revenue
  - Budgeted estimate for FY 2014: $3.125M
  - Compare to SIG Allocation: $3.010M

- Collective decision to divide this based on downloads, but with a $10K minimum per SIG
Viability Reviews

• Each SIG faces regular program reviews
  
  SIG prepares a 5-slide summary of activity and vision / goals
  SIG prepares a 2-slide Wow / Ow summary.
    • SGB EC performs an initial review and makes a recommendation
    • SGB which makes final decision

• Opportunity for collective advice and guidance – recent examples:
  • concerns about volunteer development
  • concerns about member benefits
  • working with related organizations
Best Practices

• At each SGB meeting, time is set aside for sharing successful practices
  • Many SIG leaders find it the most valuable part of the meeting!

• Examples
  • Volunteer development
  • Governing structure
  • Business Meetings
  • Experiences with holding conferences outside US
  • Openness in nominations and finances
Other Responsibilities to Take Seriously

- Annual reporting
- Setting membership benefits and dues
- Volunteer and leadership development
- Community building
- Sustainable excellence
SGB Fortifies Global SIG Community

ACM’s Special Interest Groups (SIGs) cover 36 areas of computing, from graphics to computer-human interfaces, theory to computer architecture, programming languages to bioinformatics, and much more. In fact, SIGs form the locus of ACM’s technical activities and provide a way for individual disciplines to organize their interests. ...
Open Access Experiments

1. Open Access for 4 weeks around SIG Conferences.
   - Make proceedings from SIG conferences freely available via the ACM DL for up to two weeks before and after conference
     - 34 YES
     - 2 NO

2. Open Access to SIG Conference Proceedings for 1 year.
   - Maintain table-of-contents for most recent instance of SIG conference on SIG or conference website.
   - Use ACM Author-Izer links to give free access to the DL paper.
     - 28 YES
     - 8 NO
# Umbrella Groupings of SIGs

<table>
<thead>
<tr>
<th>Category</th>
<th>Groupings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math / AI</td>
<td>ART, ecom, EVO, IR, KDD, WEB</td>
</tr>
<tr>
<td>Applications</td>
<td>APP, Bio, ecom, HPC, MM, MOBILE, SAM, SPATIAL</td>
</tr>
<tr>
<td>Digital Content</td>
<td>Bio, IR, KDD, METRICS, MM, MOD, SAC, SPATIAL, WEB</td>
</tr>
<tr>
<td>Education</td>
<td>CAS, CSE, ITE, UCCS</td>
</tr>
<tr>
<td>Hardware Design</td>
<td>ARCH, BED, DA, MICRO, MOBILE</td>
</tr>
<tr>
<td>Interaction</td>
<td>ACCESS, CAS, CHI, DOC, GRAPH, MM, SAC</td>
</tr>
<tr>
<td>Networking</td>
<td>COMM, MOBILE, METRICS, MM, OPS, SAC, WEB</td>
</tr>
<tr>
<td>Software</td>
<td>Ada, APP, BED, DOC, GRAPH, MM, OPS, PLAN, SAC, SIM, SOFT, WEB</td>
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<tr>
<td>Ops and Mgmt</td>
<td>MIS, UCCS</td>
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<tr>
<td>Performance</td>
<td>ARCH, HPC, METRICS, PLAN, MICRO</td>
</tr>
<tr>
<td>Theory</td>
<td>ACT, ecom, SAM</td>
</tr>
</tbody>
</table>
Auto news feeds for SIGs

- Investigating daily news feeds tailored to each SIG or Umbrella Grouping
  - Expert story selection
  - Automated story selection

- **Goals:**
  1. Improve value of all SIGs.
  2. Avoid ongoing manual effort.
  3. Leverage common technology across SIGs.

- Wayne Graves leading effort from ACM HQ
  - New mobile processors come to the fore from Intel
  - Renesas Mobile processor for LTE is touted for energy efficiency
  - Vivante Shipping World's Smallest and Lowest Power OpenGL ES 3.0 IP Core

**Status:** Tests piloted for SIGMICRO and SIGMOBILE

Keywords from 28/36 SIGs

Keywords from conferences for all SIGs
SIG Video Repositories

SIGSIM Repository
Paul Fishwick, SIGSIM Chair

1000+ simulation-related videos consolidated on the SIGSIM site
- Good value for members.
- Something to entice more people to join SIGSIM.

- Based on automated video mining capability.

http://www.acm-sigsim-mskr.org/Videos/videos.htm
SIG Video Repositories

Modeling and Simulation Videos

- 1000+ simulation-related videos consolidated on the SIGSIM site
- Video mining code now open to share with other SIGs on Github: [https://github.com/sigsim](https://github.com/sigsim)

- Github setup should make it relatively easy for other SIGs to:
  - Replicate SIGSIM efforts
  - Find and display relevant videos
  - Gain similar benefits.

- Broader principles:
  - SIGs to share common technology
  - Small startup effort yields ongoing value with little or no ongoing work by the SIG.

- Goal - Other SIGs:
  - Look at Paul's materials
  - Recruit volunteer to use the Github setup to collect SIG-appropriate videos.
Full Inclusion – Members

Simon Harper (Chair)  
Jeanna Matthews

Flo Appel  
Renee McCauley

Donna Cappo  
Babara Boucher Owens

Vicki Hanson  
Jenny Preece

Zhengjie Liu
Full Inclusion

SIG Working Group on Full Inclusion

Chair: Simon Harper, SIGWEB

Charter:

- The SIG Task Force on Full Inclusion will drive to ensure that the computing field is open and welcoming to all, independent of any characteristics not directly related to computing.
- The task force will have three major responsibilities:
  1. **Review and disseminate best practices for full inclusion**
     - First from among the SIGs.
     - Subsequently from groups and professions further afield such as natural sciences, engineering, medicine, and law
  2. **Develop definitions for full inclusion, that are universal in character and account for ACM's growing international presence.**
  3. **Identify technologies and research areas that can help improve computing's openness and availability to all.**
Full Inclusion

Focus Areas:
- Accessibility and Disability
- Citizen Science (and... Hackers and Makers)
- Unconventional Educational Routes
- Gender Equality
- Cultural Equality and Race
- Low income
- Age Equality

How to:
- Encourage Participation
- Support once Participating

Support for:
- SIG Members
- SIG Resources
- SIG Conferences
CSTA

- CSTA = Computer Science Teachers Association
- Chris Stephenson, Executive Director
- **Focus:** Improving and promoting K-12 CS education

**Funding Request to SGB with 4 Options:**

1. Chapter mini-grant program providing small stipends for advocacy, professional development, and development of new resources
2. 100 toolkits for CSTA chapters with Bylaws templates, election guidelines, leadership development, ...
3. Bank of assessment questions tied to the CSTA standards
4. Advocacy fly-in of local members to Washington DC to visit their political reps and advocate for computer science.

**SGB voted to support (1) – the Chapter mini-grant program.**

- **Amount:** $60,000 in FY’14
- **Source:** SIG Fund with current balance around $1M.
- Continues SIG support for CSTA over last several years
<table>
<thead>
<tr>
<th>TC</th>
<th>Funded?</th>
<th>ACM Rep</th>
<th>Related SIGs</th>
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<tr>
<td>TC1</td>
<td>No support</td>
<td>David Johnson</td>
<td>SIGACT</td>
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<td>SIGPLAN, SIGSOFT</td>
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<td>SIGITE</td>
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<td>SIGMIS</td>
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<td>SIGSAC</td>
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<tr>
<td>TC14</td>
<td>No Support</td>
<td>Magy Seif El-Nasr</td>
<td>SIGGRAPH, SIGMM</td>
</tr>
</tbody>
</table>

6 of 12 TCs: **Supported ACM Rep**
4 of 12: **Unsupported Rep**
1 of 12: **No rep, No support**
1 of 12: **Pending**