

# Annual Report of the Publications Board

*For the Period July 1, 2013 – June 30, 2014*

Submitted by: Jack W. Davidson and Joseph Konstan, co-Chairs

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## I. Basic Information

### A. Members of the Publications Board

A list of members of the Publications Board during FY 2013 is given in Table 1.

No new members were appointed to the Board during FY2014, but three new members were appointed shortly after FY2014:

- Yannis Ioannidis, who was appointed as the SGB Publications Advisor replacing Patrick Madden who was elected SGB Chair.
- Alain Chesnais, who was appointed to chair the new Magazines Committee.
- Pat Sabosik, who was appointed to chair the Technology Committee, which had previously been chaired by Patrick Madden who was elected SGB Chair.

### B. Publications Board Operations

The Publications Board conducts its business with monthly conference calls along with two 1.5-to-2 day face-to-face meetings each year. Urgent issues are dealt with via email discussion and vote. The Publications Board has started a practice of inviting 12-15 Editors-in-Chief to one of its annual face-to-face meetings (dedicating a full day of its Fall meeting to issues of particular interest to Editors-in-Chief). This practice has been extremely successful, helping demystify the processes through which publications policies are developed, getting significant input on issues the Publications Board is addressing, raising new issues we should be addressing, providing peer support to EiCs, and building relationships between EiCs and Publications volunteers and staff. We are considering expanding this practice to hold a joint meeting with conference leadership from the SIGs in the future.

*Regular Committees.* The Publications Board currently has seven standing committees and one task force:

- Business Models (task force) – co-chaired by Jack Davidson and Joseph Konstan, this committee is focused on publications business models issues. In the past year, it has looked at issues including Gold OA, Article Processing Charges, the ICPS business model, varying models for conference publication costs and rights, and conference-journal hybrid business models. Members include Davidson, Konstan, Bernie Rous, Scott Delman, Darren Ramdin, Pat Ryan, and (until his retirement) Russell Harris.
- Ethics and Plagiarism (standing) -- chaired by Catherine McGeoch, this committee addresses both individual plagiarism and publication ethics cases and

greater policy issues surrounding those cases. In the past year it has handled several cases related to plagiarism, worked with a SIG on a tricky case involving publication ethics in the promotion of a conference through editorial selection of journal special-issue papers, and has worked on a set of challenges related to authorship. Members include: McGeoch, Ee-Peng Lim, Igor Markov, Cheri Pancake, with Konstan and Rous as liaisons.

- New Publications (standing) – originally chaired by M. Tamer Özsu, and now chaired by Nikil Dutt, this committee both addresses specific proposals for new journal publications and identifies topics where new proposals are warranted, seeking to foster teams to generate those proposals. In the past year, the committee has addressed proposals on areas including data and replicability, big data, and social computing. Members include: Özsu, Dutt, Gustavo Alonso, Sanjeev Arora, Susanne Hambrusch, Carol Hutchins, Wendy Mackay, with Davidson, Rous, Delman, and Lander as liaisons.
- Assessment & Search (standing) – chaired by Mary Lou Soffa, this committee is responsible for conducting both regular assessments of and editorial searches for ACM's journals. In the past year, the committee has taken on a large set of editorial searches and has developed a policy on journal assessment that includes a review of editorial performance (prior to considering editorial re-appointment) and a comprehensive review of journal performance (prior to commencing a search for a new editor). This review process examines both the operational functioning and the quality of the journal, and gathers broad input to assess the degree to which the journal serves its research community and is viewed as one of the premier journals in its field. Members include: Soffa, Ron Boisvert, Nikil Dutt, Chris Hankin, Mary Jane Irwin, Craig Partridge, with Konstan, Rous, and Lander as liaisons.
- Digital Library (standing) – chaired by Ron Boisvert, this committee is responsible for evaluating and defining the services that should be provided by the ACM DL. The committee works in close cooperation with the Technology Committee. In the past year, the committee has explored a number of issues including developing a set of priorities for DL improvements (e.g., search interaction), archiving data and code, metrics and metric-based services, and other DL enhancements. Members include: Boisvert, Jonathan Grudin, Roch Guerin, Joshua Hailpern, Carol Hutchins, Michael Lesk, Gary Marchionini, Catherine McGeoch, Samantha Merritt, Dina Papagiannaki, Stephen Spenser, Changsheng Xu, with Davidson, Rous, Delman, and Graves and liaisons.
- Technology (standing) – originally chaired by Patrick Madden, and now chaired by Pat Sabosik, this committee addresses future publishing technological improvements and opportunities for improving the ACM DL and its publications. The committee works in close cooperation with the Digital Library Committee. In the past year, the committee has looked at the overall workflow for content being placed in the Digital Library, explored questions of mathematics representations in ACM article, has looked at questions of storing non-PDF content such as Data and Code (including whether this should be developed into the DL or contracted out), and has addressed important conflict-of-interest issues to ensure transparent recommendations while engaging active industry leaders in

the committee. Members include Madden, Sabosik, Nikil Dutt, Mark Gross, Henning Schulzrinne, Alex Wade, with Davidson, Rous, Rodkin, and Graves as liaisons.

- Conferences (standing) – chaired by Roch Guerin, and staffed by a combination of people with backgrounds in publications and SIGs/conference, this committee is charged with addressing issues related to conference publication. In the past year the committee has addressed a variety of issues including issues related to open access, relationships between journals and conferences (including updating a catalog of conference reviewing practices), representations of conferences (as entities) in the Digital Library, and greater incorporation of video content (including captured conference presentations) in the DL. Members include: Guerin, Marie-Paule Cani (resigned at end of FY 14), Koen De Bosschere, Jau C. de Oliveira, Steven Feiner, Lance Fortnow, Mashuda Glencross, Michael Hind, John Lui, Tamer Özsü, Mary Lou Soffa, with Konstan, Rous, and Cappo as liaisons.
- Magazines (standing) – chaired by Alain Chesnais, this committee is just getting formed. Its charge covers all issues related to the evaluation, management (including editorial searches for), and strategic planning for magazines, including developing an effective business model for ACM’s magazine publishing and recommending/evaluating new magazines (broadly scoped to include other forms of practitioner content publication). Membership is still being recruited.

*Ad hoc Committees.* The Publications Board establishes ad hoc committees to deal with ongoing tasks and special issues. For example, ad hoc search committees are routinely chartered by the Board to identify candidates for Editor-in-Chief vacancies. (These are most often established in collaboration with SIGs.)

*Publications Board Information Director.* Jack Davidson served as Information Director. Activities this year consisted of: providing liaison between volunteer Information Directors and ACM Staff; and informing new Editors-in-Chief and journal Information Directors about their responsibilities with respect to journal web sites.

**Table 1.** *Members of the ACM Publications Board with Roles and Appointment Dates*

Ronald Boisvert ( <i>NIST</i> ) <i>Chair, DL Committee</i>	Original appointment: 7/1/97 – 6/30/00 Vice Chair for Electronic Publishing: 5/8/00– Reappointed: 7/1/00 – 6/30/03 Reappointed: 7/1/03 – 6/30/06 Co-Chair: 1/1/05 – 6/30/07 Reappointed Co-Chair 7/1/07 – 6/30/10 Reappointed Co-Chair 7/1/10 – 6/30/13 Appointed as member 7/1/13 – 6/30/14
Marie-Paule Cani ( <i>Grenoble Institute of Technology</i> )	Original appointment: 9/1/2011 – 7/31/14 <i>resigned appointment in May 2014 due to conflicts with other commitments</i>
Alain Chesnais ( <i>TrendSpottr</i> ) <i>Chair, Magazines Committee</i>	Original appointment: 8/1/2014 – 7/31/2017

Jack W. Davidson <i>(U Virginia)</i>	SGB Liaison: 4/1/07 – 06/30/10 Appointed Co-Chair 7/1/10 – 6/30/13 Reappointed as Co-Chair 7/1/2013 – 6/30/16
Nikil Dutt <i>(UC Irvine)</i> <i>Chair, New Pubs Committee</i>	Original appointment: 7/1/2008 – 6/30/2011 Reappointed: 7/1/11 – 6/30/14
Roch Guerin <i>(Washington U)</i> <i>Chair, Conferences Committee</i>	Original Appointment 3/1/2013 – 2/29/2016
Carol Hutchins <i>(NYU)</i>	Original appointment: 1/1/97 – 12/31/02 Reappointed: 1/1/03 – 12/31/05 Term extended 1/1/06 – 12/31/06 Term extended 1/1/07 – 12/31/10 Term extended 1/1/11 – 12/31/13 Term extended 1/1/14 – 12/31/14
Yanni Ioannidis <i>(University of Athens)</i> <i>SGB Publications Advisor</i>	Original appointment: 7/1/2014 – 6/30/2016
Joseph Konstan <i>(U Minn)</i>	SGB Liaison: 7/1/10 – 06/30/13 Appointed Co-Chair 7/1/2013 – 6/30/16
Patrick Madden <i>(SUNY Binghamton)</i>	SGB Liaison: 7/1/2013 – 12/31/2016 <i>Resigned appointment 7/1/2014 after election as SGB Chair.</i>
Catherine C. McGeoch <i>(Amherst College)</i> <i>Chair, Ethics/Plagiarism Comm.</i>	Original Appointment: 8/15/09 – 8/14/12 Reappointed: 1/1/2013 – 12/31/2015
M. Tamer Özsu <i>(U Waterloo)</i>	SGB Liaison: 12/01/02 – 11/30/04 Appointed regular member: 12/01/04 – 11/30/07 Appointed Vice Chair for New Publications, 7/1/07 – Reappointed: 7/1/10 – 6/30/13
Pat Sabosik <i>(Elm City Consulting)</i> <i>Chair, Technology Committee</i>	Original appointment: 8/1/2014 – 7/31/2017
Mary Lou Soffa <i>(U Virginia)</i> <i>Chair, Journal Search and Assessment Committee</i>	Original appointment: 2/15/05 – 2/14/08 Term extended to 2/15/09 Reappointed 2/16/09 – 2/15/12 Term extended 2/16/2012 – 12/31/2015

## II. Strategic Vision

The Publication Board seeks to maintain ACM’s position as the preferred publisher in computing. The Board also envisions ACM as the principal curator of publication data for the field.

To achieve its goals as a publisher, the Board is committed to (a) maintaining ACM as a brand of quality, and (b) providing appropriate and low-cost venues, including journals, proceedings, books, and magazines, for the publication of the best content in *all* areas of computing.

To achieve its goals as a curator, the Board is committed to (a) maintaining a sustainable distribution model for ACM content, (b) developing a comprehensive bibliographic database for quality publications within the field of computing, and (c) developing useful services around this data.

The Publications Board has a three-pronged approach to achieve these overall goals.

1. Aggressively developing the highest-quality content within the *ACM Digital Library* (DL).
2. Ensuring comprehensive coverage of top-tier non-ACM publications in ACM's *Guide to Computing Literature*, which, while bundled with the DL, is freely accessible to the community.
3. Continually improving the experience for authors and readers.

### III. ACM Publications Portfolio

ACM is currently the publisher of 79 active periodicals, including 44 journals and transactions, 8 magazines, 32 newsletters, and a new series of advanced level books called ACM Books. During FY 2014, ACM added 450 volumes of conference and related workshop proceedings to its portfolio. The growth included 94 volumes added to ACM's *International Conference Proceedings Series (ICPS)*, a significant increase over FY 2014.

### IV. ACM Digital Library

The centerpiece of ACM Publications is the ACM Digital Library (DL). The DL provides the primary access and distribution mechanism for all ACM publications, and hosts another 10 periodicals and a set of conference proceedings via agreements with external groups. (For example, ACM distributes VLDB publications.)

With an estimated 5 million users worldwide, ACM's DL is widely and easily available as a resource to both researchers and practitioners. In particular, it is now available at some 2,650 institutions in 190 countries. The high respect for ACM publications, as well as the very reasonable subscription price, has led to a 98% institutional renewal rate. An additional 31,000 individual subscribers in 196 countries have access. This wide availability has led to high volume use, with more than 20 million full-text downloads during the last year.

During FY 2014, 23,000 full-text articles were added to the ACM DL, bringing ACM's total holdings to 425,000 articles. The historical growth of article holdings is illustrated in Fig. 1.

ACM's *Guide to Computing Literature* is integrated with the ACM Digital Library, providing an increasingly comprehensive and freely available index to the top-tier literature of computing. More than 105,000 works were added to the bibliographic database in FY2014, bringing the total *Guide* coverage to 2.3 million works. Capturing article references in the database is important, because these references are necessary to develop robust citation statistics. ACM continues to expand the number of articles in which this data is captured. Recent growth is as follows:

Year	Total References	Resolved in Guide
2008	6.3M	2.2M
2009	7.8M	2.8M
2010	9.8M	3.4M
2011	13.1M	4.7M
2012	16.8M	6.0M
2013	18.9M	6.7M
2014	20.8M	8.4M

The primary business model for the ACM Digital Library remains selling access to the institutional library market (universities, government, and corporations) and despite the significant activity and experimentation related to Open Access, selling subscriptions to libraries remains a healthy and stable revenue stream for ACM and its publication program. Price increases account for a smaller percentage of overall revenue growth and revenue continues to increase year on year primarily due to the identification of new institutional customers across all market segments, including academic, government, and corporate markets.

In the international library market, ACM continues to be one of the most well respected publishers, due to its reputation for quality publications, fair pricing, flexible licensing terms, and international appeal, and there continues to be growing demand for its publications by end users, evidenced by the positive trend in usage year on year.

While most publishers are experimenting with new Open Access business models, such as “author pays” or “funder pays”, most librarians and publishers generally now believe these new models will not completely displace the traditional subscription model for a long time, but will rather supplement the existing model and provide additional options for authors and funding agencies interested in expanding access and complying with government mandates for Open Access around the world.

Like all scholarly publishers, ACM continues to evolve its business model and over the past fiscal year has made improvements to its tier-based pricing structure, made changes to its international network of subscription agencies selling the ACM Digital Library on behalf of ACM, started selling the new ACM Books series, and expanded its ACM DL marketing efforts in developing countries around the world, primarily in Latin America, Eastern Europe, Southeast Asia, and Africa.

In general, there continues to be some opportunity for growth in the academic market over the next 5-7 years through national licensing deals and institutional sales via library consortia, but the greater growth opportunity exists in the corporate market, where ACM has a relatively small penetration in comparison to IEEE, Springer, and Elsevier (its main competitors in the journals, books, and conference markets). Our main challenge here is developing a significant amount of new high-quality content and services for the practitioner market as the platform for such revenue growth. While end users in industry do value content in the ACM Digital Library, much of that content is of primary interest to researchers and the number of full-text downloads from industry remains a very small percentage of overall usage of the ACM DL.

This is a challenge the ACM Publications Board is starting to address through the development of its various committees, including the DL committee, Technology committee, and magazines committee.

## V. Editors-In-Chief

Editors-in-Chief for new journals are appointed as part of the review and approval of new journal proposals. EiCs serve for 3-year terms, with the possibility of a single renewal. EiCs who wish to seek a renewal are evaluated, reviewing the operational and quality effectiveness of their leadership, including gathering input from peers and SIG leaders. The formalization of this process is discussed above, and is now in effect.

When there is a vacancy an ad hoc search committee is formed in accordance with the Board’s [appointment policy](#). SIGs have been working actively with the Publications Board in forming these committees and conducting the searches, much to the benefit of the ACM Journals and Transactions involved. During FY 2014 Editors-in-Chief of # ACM periodicals were appointed or reappointed by the Publications Board. Table 2 lists these actions.

**Table 2.** *Editor-in-Chief Appointments During FY 2014*

<b>Editors for New Publications</b>		
<i>Transactions on Modeling and Performance Evaluation of Computers (TOMPECS)</i>	<i>Don Towsley (U. Mass. – Amherst, USA)</i> <i><b>Carey Williamson</b> (University of Calgary, Canada)</i>	<i>12/15/2013-12/14/2016</i>
<b>New Editors for Existing Publications</b>		
<i>Computing Surveys (CSUR)</i>	<i>Sartaj Sahni (University of Florida, USA)</i>	<i>9/1/2013-8/31/2016</i>
<i>Journal of Experimental Algorithmics (JEA)</i>	<i>Peter Sanders (Karlsruhe Institute of Technology, Germany)</i>	<i>6/1/2014-5/31/2017</i>
<i>Transactions on Accessible Computing (TACCESS)</i>	<i>Matthew Huenerfauth (University of Delaware, USA)</i> <i>Kathleen McCoy (University of Delaware, USA)</i>	<i>8/1/2013-7/31/2016</i>
<i>Transactions on Architecture and Code Optimization (TACO)</i>	<i>Koen de Bosschere (Ghent University, Belgium)</i>	<i>5/1/2014-4/30/2017</i>
<i>Transactions on Embedded Computer Systems (TECS)</i>	<i>Sandeep Shukla (Virginia Tech., USA)</i>	<i>12/1/2013-11/30/2016</i>

<i>Transactions on Interactive Intelligent Systems (TiiS)</i>	<i>Krzysztof Gajos (Harvard University, USA) (co-Editor-in-Chief with Anthony Jameson)</i>	<i>10/3/2013- 10/31/2015 (partial term only)</i>
<i>Transactions on Design Automation of Electronic Systems (TODAES)</i>	<i>Naehyuck Chang (Korea Advanced Institute of Science and Technology, S. Korea)</i>	<i>6/1/2014- 5/31/2017</i>
<i>Transactions on Database Systems(TODS)</i>	<i>Christian Jensen (Aalborg University, Denmark)</i>	<i>6/1/2014- 5/31/2017</i>
<i>Transactions on Information Systems(TOIS)</i>	<i>Maarten de Rijke (University of Amsterdam, The Netherlands)</i>	<i>6/1/2014- 5/31/2017</i>
<b>Reappointments</b>		
<i>Transactions on Autonomous and Adaptive Systems (TAAS)</i>	<i>Franco Zambonelli (Rutgers University, USA) Manish Parashar (University of Modena e Reggio Emilia, Italy)</i>	<i>5/1/2014- 4/30/2017</i>
<i>Transactions on Economics and Computation (TEAC)</i>	<i>Preston McAfee (Duke University, USA) Vincent Conitzer (Google, USA)</i>	<i>4/1/2014- 3/31/2017</i>
<i>Transactions on Knowledge Discovery from Data (TKDD)</i>	<i>Philip Yu (University of Illinois at Chicago, USA)</i>	<i>5/1/2014- 4/30/2017</i>
<i>Transactions on Computation Theory (TOCT)</i>	<i>Eric Allender (Rutgers University, USA)</i>	<i>11/1/2013- 10/31/2016</i>
<i>Transactions on Programming Languages and Systems (TOPLAS)</i>	<i>Jens Palsberg (UCLA, USA)</i>	<i>8/1/2013- 7/31/2016</i>
<i>Transactions on Storage (TOS)</i>	<i>Darrell Long (UC Santa Cruz, USA)</i>	<i>7/1/2013- 6/30/2016</i>

## VI. Policy Development

In FY2014, the Publications Board updated a number of publications policies, generally in response to issues that highlighted the need for policy development. Among the significant policy actions taken were:

- A new policy on journal publication of conference proceedings that clarifies the minimum requirements for such agreements—specifically the need for open-ended review processes that allow for substantial revision. This policy encourages models of collaboration where conferences invite the authors of journal papers (e.g., those in the previous year) to present at the conference.

- A revised policy on pre-publication evaluation that more clearly explains the minimum review criteria to qualify as a refereed publication. In particular, the policy outlines the requirement for at least three reviews by independent, qualified reviewers, and the opportunity to have major revisions reviewed by qualified reviewers (where possible, the same ones). The policy also clarifies the availability of desk reject options based on editorial judgment or editorial judgment supplemented by a single review.
- A revision to the job description policy for Editors-in-Chief and Information Directors to explicitly bar these volunteers or their immediate family from receiving compensation from ACM for their services. This revision addressed both concerns over EiCs making use of “editorial assistant” budgets for purposes other than an editorial assistant, and concerns over hiring family members as editorial assistants. Existing cases are being handled on a case-by-case basis with the intent to transition as soon as practical but not later than the end of an EiC’s term.
- A new policy on author representations that makes it explicit that the submitter is actually the author of the work and that all authors of the work are aware of the submission, that the paper honestly represents the underlying work on which it was based, that the author(s) intend to and are able to publish it in the venue to which it is submitted (including presenting conference papers when required), that the authors have not submitted the work for simultaneous review, and that the authors have disclosed all prior published work on which this paper is based. This policy was developed in response to a number of cases of unethical conduct where authors claimed to be unaware that their conduct violated ACM’s and the community’s expectations.

## VII. Open Access and Related Publications Issues

The Publications Board has been active in working to explore ways to balance the desire of the community for open access to published material, the community’s general aversion to author-paid article processing charges, and ACM’s need to generate sufficient revenue—primarily from institutional and consortial subscriptions—to cover the costs of ACM’s publications program and its other good works, including outreach efforts in India and China, outreach to women in computing, services for and outreach to practitioners, outreach to and support of K-12 education, curriculum development at the post-secondary level, and public policy work.

We regularly assess factors which may influence ACM’s ability to maintain paid DL subscriptions, including national mandates to make research open. In the past year, in addition to continuing current policies and experiments offering authors a choice of copyright transfer, exclusive license, or author-paid OA with the option of non-exclusive licenses; offering authors the opportunity to provide free access to their articles from a personal or institutional web page through Author-Izer links; permitting conferences to make open their proceedings for one month surrounding the conference date; permitting conferences or SIGs to provide a Table of Contents of Author-Izer links to their most

recent conference proceedings; and the suite of author-retained rights ACM has long provide, we have taken the following additional steps:

- Approved in concept the creation of an umbrella Gold-OA ACM journal. Initial attempts to attract an organizing group and possible editor have been unsuccessful, but we continue to seek a way to compete successfully with a pure-Gold OA venue that responds to the needs of some authors.
- In response to reduced publication costs, we substantially lowered the OA article processing charge for conference papers, in turn better aligning the charges for conference and journal articles with underlying costs and revenues.
- Helped to found CHORUS (the Clearinghouse for the Open Research of the Unites States), a publishing industry effort to facilitate compliance with US open access mandates for publications resulting from federal grants. Through this effort we will be developing a solution that delivers open content with minimal burden on the authors (we will capture funding information to automatically open content when needed).

Issues of open access and DL sustainability remain high priorities for the Publications Board. We are exploring a variety of approaches, including agreements with some institutions to pre-arrange for open access to publications by their authors (through pre-payment of OA fees), and considering the types of services and value-added content that might form the core of a new revenue model if/when traditional subscription revenue is no longer sustainable. We do not see any imminent cliff, but recognize that there is a high-probability that our long-term revenue model will be very different from today's.

## VIII. Other Ongoing Projects

### A. Journal Management

Thanks to the efforts of our EiCs, and when needed the attention of HQ staff and the Publications Board, ACM's journals are nearly all well-managed with sufficient content in hand for two issues of publication and average production turn-around time averaging 8-10 weeks. We continue to monitor individual publications for operational and technical excellence and viability. As seen below, one result of this process is the expansion of the scope of certain journals to embrace a larger technical audience of authors and readers.

### B. New Journals Development

Two previously-chartered journals are prepared to launch in FY '15. The first issue of TOPC is scheduled for September 2014, and the first issue of TSAS will be later in FY '15.

In addition, two ACM journals are undergoing changes in name and editorial scope.

In response to proposals seeking to create a clear venue for privacy research, TISSEC's scope of information and systems security is being expanded to more explicitly include privacy. Starting in early 2015, the journal will have the new title *ACM Transactions on*

*Privacy and Security* (TOPS). As described in its revised charter, TOPS publishes high-quality research results the fields of information and system security and privacy. Studies addressing all aspects of the field are welcomed, ranging from technologies, to systems and applications, to the crafting of policies. Topics of interest include:

- Security Technologies: authentication; authorization models and mechanisms; auditing and intrusion detection; cryptographic algorithms, protocols, services, and infrastructure; recovery and survivable operation; risk analysis; assurance including cryptanalysis and formal methods; penetration technologies including viruses, Trojan horses, spoofing, sniffing, cracking, and covert channels.
- Fundamentals: Theory of security and privacy, models of trust, methods for quantifying the risk of the disclosure of private information or the risk a system will be compromised, mechanisms and algorithms that have wide application, including privacy models (e.g. k-anonymity based models and knowledge hiding models) and methods of secure communication with various properties (e.g. non-repudiation or forward secrecy).
- Secure Systems: secure operating systems, database systems and networks; secure distributed systems including security middleware; secure web browsers, servers, and mobile code; specialized secure systems for specific application areas; interoperability, and composition.
- Privacy Methods: Methods to offer location privacy, anonymization techniques for users and their data, statistical disclosure control techniques, private information retrieval, protocols for secure multiparty communications, protecting confidential consumer data, and the like.
- Security and Privacy Applications: Threats, system tradeoffs, and unique needs of applications; representative application areas include information systems, workflow, cloud computing, cyber-physical systems, electronic commerce, electronic cash, copyright and intellectual property protection, telecommunications systems, wireless systems, and health care. Design of security and privacy (user experience and usability).
- Privacy and Security Policies: confidentiality, integrity, availability, privacy, usage, and survivability policies; tradeoffs, conflicts and synergy among security and privacy objectives.

In response to its Editor's initiation and goal of better serving the community, TALIP is being renamed *ACM Transactions on Asian and Low-Resource Language Information Processing* (TALLIP), and is correspondingly broadening its scope to a wider range of languages. As described in its new charter, TALLIP publishes high-quality original archival papers and technical notes in the areas of computation and processing of information in Asian languages, low-resource languages of Africa, Australasia, Oceania and the Americas, as well as related disciplines. The subject areas covered by TALLIP include, but are not limited to:

- Computational Linguistics: including computational phonology, computational morphology, computational syntax (e.g. parsing), computational semantics, computational pragmatics, etc.
- Linguistic Resources: including computational lexicography, terminology, electronic dictionaries, cross-lingual dictionaries, electronic thesauri, etc.

- Hardware and software algorithms and tools for Asian or low-resource language processing, e.g., handwritten character recognition.
- Information Understanding: including text understanding, speech understanding, character recognition, discourse processing, dialogue systems, etc.
- Machine Translation involving Asian or low-resource languages.
- Information Retrieval: including natural language processing (NLP) for concept-based indexing, natural language query interfaces, semantic relevance judgments, etc.
- Information Extraction and Filtering: including automatic abstraction, user profiling, etc.
- Speech processing: including text-to-speech synthesis and automatic speech recognition.
- Multimedia Asian Information Processing: including speech, image, video, image/text translation, etc.
- Cross-lingual information processing involving Asian or low-resource languages.

Papers that deal in theory, systems design, evaluation and applications in the aforesaid subjects are appropriate for TALLIP. Emphasis will be placed on the originality and the practical significance of the reported research. In addition, papers published in TALLIP must relate to some aspect of Asian or low-resource language or speech processing. Asian languages include languages in East Asia (e.g. Chinese, Japanese, Korean), South Asia (Hindi, Tamil, etc), Southeast Asia (Malay, Thai, Vietnamese, etc.), the Middle East (Arabic, etc.), and so on. Low-resource languages of primary interest are those of Africa, Australasia, Oceania, the Americas and, of course, Asia.

The Board is currently reviewing proposals for new journals in the areas of Cyber-Physical Systems and Social Computing.

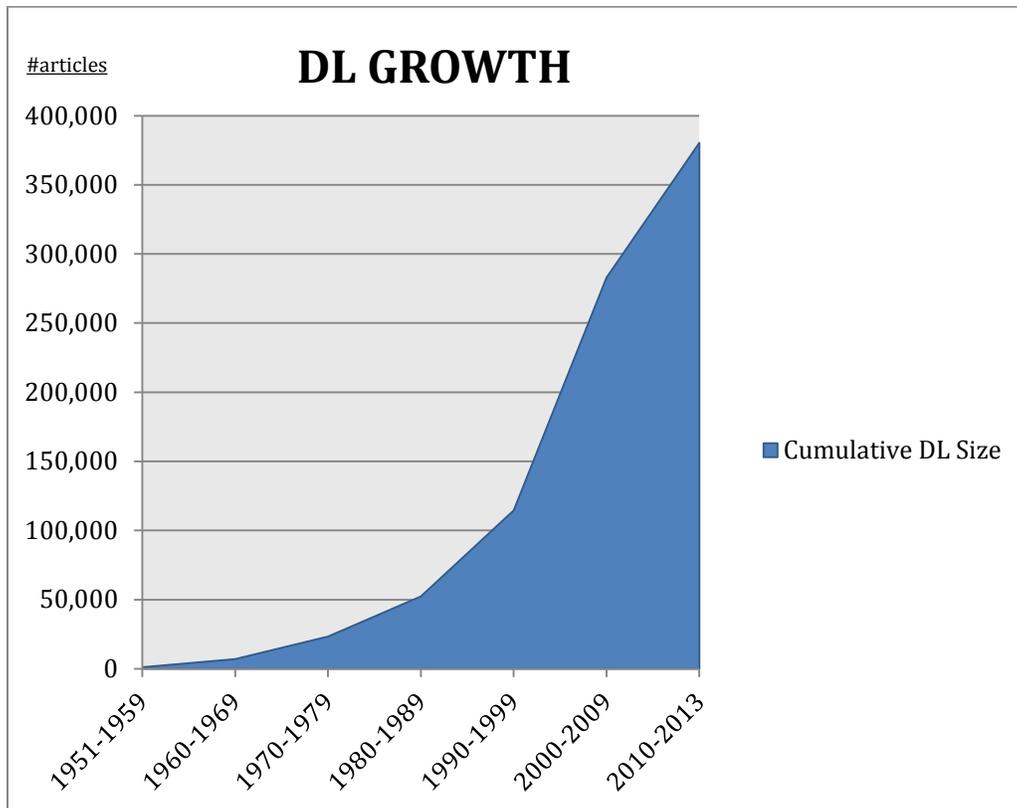
### **C. DL Enhancements**

Two notable DL enhancements in FY 2014 are the journal home page project (which is starting rollout in Fall 2014 with the first journals expected to transition early 2015) and the mobile DL app (which is currently rolled out and in use). We continue to explore ways to improve the integration between the DL and its constituent publications (conferences, journals, magazines, and more) and to explore ways the DL can support a broader set of activities (including serving as a conference program for conferences that provide sufficient program metadata as part of their proceedings). The Publications Board also appreciates the efforts of Wayne Graves and the IS team in continuing these developments.

### **D. ACM Books**

In 2014 ACM launched a new series of research monographs and graduate level textbooks called ACM Books. The series is edited by Tamer Özsu, a member of the ACM Publications Board, and is being published in collaboration with Morgan & Claypool, a small but well respected commercial book publisher based in San Francisco. Individual titles will be published as eBooks in the ACM Digital Library and will be sold

as collections to the institutional library market with individual titles available for purchase via Amazon and other online retailers. The first three books in the series are now available in the ACM DL and additional titles will be published over the coming months. Additional information is available at [books.acm.org](http://books.acm.org) and on the main landing page of the ACM Digital Library at [dl.acm.org](http://dl.acm.org).



**Figure 1.** Cumulative article holdings in the ACM DL by year. The current total is 424,000 articles, 23,000 of which were added in FY '14.