



Publications Board Report

Ron Boisvert

ACM SGB / Oct 2006

Summary

- Strategies
- Publications
- Initiatives



Board Members



- Ronald Boisvert, NIST, *Co-Chair*
- Mary Jane Irwin, PSU, *Co-Chair*
- Holly Rushmeier, Yale, *Vice-Chair for New Pubs*
- Keith Marzullo, UCSD, *SGB Representative*
- Gul Agha, UIUC, *EiC Liaison*
- Michel Beaudouin-Lafon, U. Paris-Sud
- Carol Hutchins, NYU
- M. Tamer Ozsü, U. Waterloo
- Vincent Shen, Hong Kong U. of Science & Tech.
- Mary Lou Soffa, U. Va.

Strategy



Vision: *ACM as the preferred publisher for computer science*

- Aggressive development of the ACM Digital Library / Guide
- Continual development of new publications
- Improve the experience for authors and readers

Status



- *Periodicals: 42*
- *Proceedings (2006)*
 - ◆ ACM: 176
 - ◆ ICP: 33
- *Digital Library (FY 2006)*
 - ◆ Articles added 2006: 15,170
 - ◆ Total articles: 186,958
- *Guide to Computing Literature*
 - ◆ Citations added FY06: 52,334
 - ◆ Total citations: 957,974

ISI Journal Ranking



acm

Soft. Eng. (79)

1	<i>TOG</i>
2	<i>TOSEM</i>
4	<i>JACM</i>
8	<i>TODS</i>
9	<i>CACM</i>
13	<i>TOMS</i>
15	<i>TOPLAS</i>

Theory & Meth. (71)

1	<i>Comp Surveys</i>
5	<i>TON</i>
8	<i>JACM</i>
10	<i>TOCS</i>
13	<i>CACM</i>

CACM:

8,222 citations

3rd highest overall

Info. Sys. (83)

2	<i>TOIS</i>
10	<i>JACM</i>

HW & Arch. (44)

2	<i>TON</i>
6	<i>JACM</i>
9	<i>CACM</i>
28	<i>TODAES</i>

ACM Proceedings & ISI



- ISI now indexing Proceedings
- We submit, they accept/reject
 - ◆ 85 submitted from 2005
 - ◆ Submitting all as appear in 2006
- 7 accepted in last six months
 - ◆ 8 more expected soon

Proceedings Accepted



■ Series

- ◆ Int. Conf. on Software Engineering
- ◆ Design Automation Conference
- ◆ Int. Conf. on Electronic Commerce

■ Others

- ◆ Tapia Celebration of Diversity in Comp.
- ◆ Opening International Horizons
- ◆ Int. Conf. on Info. Proc. in Sensor Networks



New Journals Strategy

- Aggressively seek content to add value to ACM Digital Library
 - ◆ *ensure quality, sustainability*
- Cover entire field: broad journals
- Deep coverage: focused journals
 - ◆ *overlap inevitable, OK*
- Don't fear competition with commercial publishers: provide low-cost alternative



New Publications

- Appeared
 - ◆ *Transactions on Autonomous and Adaptive Systems (TAAS)*
- Starting Up
 - ◆ *Computers and Cultural Heritage*
 - ◆ *Transactions on Knowledge Discovery from Data (TKDD)*
 - ◆ *Transactions on the Web (TWEB)*
- Recently Approved
 - ◆ *Transactions on Accessible Computing*

New Publications



■ Rejected

- ◆ *Journal of Game Development*
- ◆ *Transactions on Program Generation and Transformation*
- ◆ *National Security Informatics*

■ Under Consideration

- ◆ *Transactions on Information Quality*
- ◆ *Transactions on Reconfigurable Systems*

Publication Growth



Cumulative ACM Journal and Magazine Publications
(1954-2008)



Some ideas ...



- Artificial intelligence, robotics
- Verification, testing, & formal methods
- Large-scale systems (incl. HEC, grid, SOAs)
- Pervasive/ubiquitous/ambient computing
- Quantum information processing
- Social computing
- Business information systems, e-commerce
- Information, scientific visualization
- Reliable systems

Help!

Please send more ideas, proposals

Editors-in-Chief



Help!

New	David Notkin	TOSEM, Trans. Soft. Eng. Methodology
	Robert McCartney Joshua Tenenber	JERIC, J. Educational Resources in Computing
	Vickie Hanson Andrew Sears	TACCESS, Trans. Accessible Computing
	Helen Ashman Arun Iyengar	TWEB, Trans. on the Web
	Jaiwei Han	TKDD, Trans. on Knowledge Discovery from Data
Reappointed	Newton Lee	CiE, Computers in Entertainment
	Erik Reinhard Heinrich Buelthoff	TAP, Transactions on Applied Perception
	Catherine McGeogh	JEA, J. Experimental Algorithmics
	Prabhakar Raghavan	JACM
	Brad Calder Dean Tullsen	TACO, Trans. On Architecture & Compiler Opt.
	John Hart	TOG, Trans. On Graphics
In Process		Computing Surveys
		TALIP, Transactions on Asian Language Processing
		TSLP, Transactions on Speech and Language Processing

Initiative: Proceedings

- Now digitizing front & back matter for inclusion in DL
 - ◆ Retrospective capture: not yet
- Now listing acceptance rates for proceedings series in DL

Help!

What metadata should be captured for conferences and displayed?

Initiative: Plagiarism

- Adopted October 2005
- Purpose
 - ◆ Raise visibility of issue
 - ◆ Define plagiarism, levels
 - ◆ Clarify procedures, consequences
- CACM Article June 2006

<http://www.acm.org/pubs/plagiarism%20policy.html>

Initiative: Plagiarism



Help!

- Need: more publicity
 - ◆ Developing click through in Manuscript Central for journal submissions
 - ◆ *Include link in Calls-for-Papers*
- Need: detection, prevention tools
 - ◆ Single-publisher solution ineffective
 - ◆ ACM working with CrossRef to develop industry-wide tool

Initiatives: Other



- Online first (by issue)
 - ◆ Goal: eliminate publication backlogs
 - ◆ Papers published in DL ASAP after acceptance
 - ◆ Appear in print later, on normal schedule
 - ◆ To be rolled out in 2007

- Branding in the DL / Guide
 - ◆ Now tagging ACM content
 - ◆ Will identify refereed content, acceptance rates, download stats

- Future: Best Paper Awards

Pubs / SIG Interactions



- Help needed now
 - ◆ Ideas, proposals for new pubs
 - ◆ Identify conference metadata for DL
 - ◆ Ensure awareness of plagiarism policy

- Continue
 - ◆ Help in evaluating new pub proposals
 - ◆ Help in evaluating EiC/pub performance
 - ◆ Keep communication channels open



Send comments,
suggestions, ideas,
complaints to

boisvert@acm.org

mji@cse.psu.edu

mandelbaum@acm.org