

## Annual Report of the SIG Governing Board

For the period  
1-July-12 through 30-June-13

Submitted by:  
Erik Altman

October 7, 2013

### 1. Governance

#### 1.1 The SIG Governing Board (SGB)

The SGB is comprised of the chief executive officer or designee of each regular SIG. The SGB is charged with forming SIGs, with managing them and setting policies for their management, and with recommending their dissolution. The SGB elects a Chair, Executive Committee and 3 additional representatives to Council.

#### 1.2 The SGB EC

The SGB elects a Chair and an Executive Committee, which has full authority to act on behalf of the SGB between its meetings. The SGB EC is bound by the SGB's actions and the SGB may override any decision of the SGB EC. The SGB EC is made up of the following positions which were approved following the review and approval of the restructuring task force recommendations:

**SGB Chair** - Serves as SGB EC Chair, one of the four SIG Representatives on ACM Council, and as the SIG Representative on the ACM Executive Committee. Also responsible for SIG financial and budgetary issues and overseeing SGB committees and task forces.

**SGB EC Vice Chair for Operations** – Presides over SGB and SGB EC Meetings, including SGB EC conference calls. Oversees SIG Liaisons to ACM Committees and Boards.

**SIG Development Advisor** – Identifies emerging technical areas and works with individuals and groups interested in forming SIGs.

**SGB Conference Advisor** – Oversees developing conference activity to be sponsored by the SGB.

**New SIG Advisor** – Acts as liaison for newly chartered SIGs and helps to nurture and support new SIG leadership as they develop programs and activities.

**SIG Viability Advisor** – Oversees transitional SIGs and works with SIGS scheduled for program reviews. Also acts as the SIG election liaison.

**SIG Awards Advisor** -. Acts as liaison for SIG leaders and Awards Committee and helps SIG leadership with proposals and approval process.

**Publications Advisor** – Acts as liaison between SGB and Publications Board and oversees issues related to publications as directed by the SGB

**SGB Past Chair**- Provides guidance and advice to the SGB EC and chairs the SGB EC nominating committee.

**Director of SIG Services** – Staff liaison

During FY'13 the following individuals held the positions indicated:

Name	Position	Term End
Erik Altman	Chair	July 1, 2014
Vicki Hanson	Past Chair	July 1, 2014
Barbara Boucher Owens	SIG Viability Advisor	July 1, 2013
David Wood	SIG Development Advisor	July 1, 2013
David Pennock	New SIG Advisor	July 1, 2013
Patrick H. Madden	SGB EC Vice Chair for Operations	July 1, 2014
Yannis Ionnidis	SGB Conference Advisor	July 1, 2014

Elisa Bertino  
Joseph A. Konstan  
Donna Cappel

SIG Awards Advisor  
Publications Advisor  
Staff Liaison

July 1, 2014  
Dec 31, 2013

### 1.3 Council Representatives

The SGB elects 3 representatives to the ACM council for two-year terms.

During FY'13 the following individuals held the ACM Council positions indicated:

Name	Position	Term End
Erik Altman	SGB Chair	July 1, 2014
Joseph Konstan	SGB Representative	July 1, 2014
Brent Hailpern	SGB Representative	July 1, 2014
Andrew L. Sears	SGB Representative	July 1, 2013

### 1.4 Standing Committees

The SGB is responsible for the oversight of the Federated Computing Research Conference Steering Committee currently chaired by Dean Tullsen. Past Chairs Barbara Ryder and Daniel Menasce also serve on this committee.

### 1.5 Significant SGB actions

**AMIA Task Force** – Joe Konstan, John White, Pat Ryan and Donna Cappel met with AMIA officials to discuss potential ways of working together. It was agreed that co-sponsoring a conference would provide the best opportunity for ACM and AMIA. The goal is to charter a conference steering committee which will happen sometime next fall. Once that happens there is a long list of collaborative activities that would help in areas of publications and developing research in the field.

**SIG Nurturing Task Force** – Led by Patrick Madden, the task force continued to discuss ways to engage specialty areas without immediately pursuing SIG status. The plan is to allow the SGB to gauge community interest prior to making a SIG commitment. Some potential SIG proposals were found to be conference proposals. The TF encouraged having SGB sponsorship for these events to determine if there is need in the community for a SIG or to simply continue with a conference. The group will continue to discuss ways to accommodate groups that don't fit the standard SIG mold. The 1<sup>st</sup> ACM Annual International Conference on Nanoscale Computing and Communication (ACM NANOCIM 2014) and the Conference on Online Social Networks (COSN) were approved this year. The SGB continued to sponsor the Symposium on Computing for Development (DEV 2013) and is in discussions to being a Business Analytics Conference.

**CSTA** – The SGB voted to provide CSTA with \$60,000 in FY'14 for the Chapter mini-grant program to provide small stipends for advocacy, PD, or to develop new resources (\$60,000).

**SIG Task Force on Full Inclusion** – A Task Force was chartered by Erik Altman at the request of Vint Cerf to 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 was given three major responsibilities: (1) Review and disseminate best practices for full inclusion -- first from among the SIGs, and 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; and (3) Identify technologies and research areas that can help improve computing's openness and availability to all.

**Publications** – ACM Governance presented key publication changes this year. The modifications to policy were discussed at length during SGB meetings:

See these links for more details:

<http://cacm.acm.org/magazines/2013/2/160170-positioning-acm-for-an-open-access-future/fulltext>  
<http://authors.acm.org/>

**SIG Proposals** - SIG status for SIGLOG is not being pursued at this time.

## 1.6 Miscellaneous Appointments

SIG leaders appointed as committee liaisons:

Name	Position	Term End
Joseph A. Konstan	Publications Board Liaison	Jan 1, 2014
Dean Tullsen	FCRC Steering Comm. Chair	July 1, 2015
Tao Xie	History Committee Liaison	July 1, 2015
Emil Volchek	USACM Liaison	July 1, 2013
Jeanna Matthews	USACM Liaison	July 1, 2013
Pradip Bose	Distinguished Speaker Comm Liaison	July 1, 2014

## 1.7 SGB Nominating Committee

The SGB Nominating Committee nominates candidates for the SGB EC, in addition to nominating candidates for SGB Chair and SGB Representatives to ACM Council. The nominating committee:

Name	Position	Term End
Vicki Hanson	Past SGB Chair	July 1, 2014
Erik Altman	SGB Chair	July 1, 2014
Donna Cappo	Staff Liaison	

## 2. SIGs and SIG Membership

Appendix A summarizes basic SIG Statistics for FY'13. Included are member and subscriber totals, newsletter and proceedings activity, and conference involvement.

### 2.1 Membership Counts by class of membership:

	FY'11	FY'12	FY'13
ACM/SIG Members	31,166	30,975	30,102
SIG Only Members	7,739	8,147	9,829
Subscribers	1,575	2,090	923
Total SIG Memb/Subs	40,480	41,212	40,854
Total ACM Members	108,496	108,521	111,176

The SIGs overall member/subscriber count is 40,854 as compared to 41,212 in FY'12.

### 2.2 Membership Renewal Rates

Membership renewal rates are indicators of several realities, including 1) the degree to which members are satisfied with the services they are receiving as a result of membership and 2) the rate at which individuals are leaving the technical specialty.

MICRO	83.86	APP	53.22
ADA	82.96	DOC	56.74
DA	80.29	GRAPH	60.79
SAM	80.00	CHI	62.22
MM	79.27	HPC	63.50

### **3. New SIG Formation and Dissolution**

SIGHIT was not taken out of transition because its programs did not meet expectations. As a result, the SIG is no longer operating.

### **4. SIG Program Reviews and Annual Reports**

#### **4.1 Program Reviews**

Every 4 years the SIG Chairs are required to provide a short presentation including a question and answer period during the SIG Chairs meeting. This presentation is intended to show that the SIG is viable and meeting its mission. The endorsement from the SGB to continue the SIG's status is based on a growing or stable membership, solid finances, healthy conferences, and publications or other member benefits being delivered and well received by members.

The SGB conducted 10 full program reviews during the year. SIGART, SIGecom, SIGKDD, SIGMICRO, SIGMOD, SIGMM, SIGSAC and SIGSIM were deemed viable under existing criteria.

SIGDOC was deemed viable for the next 2 years with the understanding that an activity update report be provided to the SGB EC in one year. SIGSAM was deemed viable for the next 3 years. The SGB EC still has concerns about submissions and attendance at the ISSAC Conference.

In addition, SIGHPC presented a report including its goals for the next five years. SIGHPC was congratulated on its program performance and found viable to move out of initial transitional status. SIGHPC was granted full SIG status for the next 4 years.

#### **4.2 Annual Reports**

### **5.0 SIG Technical Highlights**

The strength of the SIGs lies in their technical excellence. Once again we have seen a continued growth in conferences, improvements in publications, innovations in many areas, expansion of the awards program, increased attention to educational activities and increased cooperative efforts among the SIGs. The following excerpts from the FY'13 SIG Annual Reports detail only some of the outstanding activities going on in the SIG Community. I urge you to review the individual SIG Annual reports, which can be found in Appendix D.

#### **5.1 Electronic Community**

SIGACCESS has developed several resources, which are made available to the community at large via the SIGACCESS web site. The first is a set of writing guidelines, which reflect current thinking on language for writing in the academic accessibility community.

The SIGUCCS 2012 Annual Conference held in Memphis, TN (with the appropriate theme of "IT: ALL SHOOK UP") marked the first time the conference program was offered using a mobile app called

EventBoard. It allowed attendees to view the program, choose their sessions, and submit session evaluations all using their mobile devices.

SIGIR has been collecting archive publications from the early days of the Information Retrieval field. A description of the gathered information is available at <http://sigir.org/museum/contents.html>. It continues to be updated with new (old) material on an on-going basis, as the information is found and can be scanned. SIGIR is exploring ways to make this information a more valuable resource for the community.

SIGMOD's official blog at <http://wp.sigmod.org> catches the heartbeat of the community on exciting and controversial topics, and facilitates discussions among researchers. Blog posts by notable researchers and teachers in the database community appear regularly and have covered topics such as publication practices, historical perspectives, and entrepreneurship, in addition to more technical topics. The most popular was "Are we publishing too much?" which explored the issue of publication counts versus quality.

## 5.2 Publications

In 2013, the following SIGPLAN events, OOPSLA, ECOOP, FSE and SAS have all introduced Artifact Evaluation as part of their review process. Authors of accepted papers are encouraged to submit artifacts that will be evaluated by a separate committee and scored. These conferences do not require artifacts to be made public. The result of artifact evaluation does not influence the fate of the paper.

The ACM Publications Board has approved SIGSPATIAL's request to start the ACM Transactions on Spatial Algorithms and Systems (ACM TSAS) with Hanan Samet as the Editor-in-Chief. The Editorial Board has been formed from top researchers in the field from worldwide. The first Call for Papers is expected to be out by November 2013 just before the SIGSPATIAL2013 conference starts.

New in 2012 for SIGDOC is a much enhanced journal-like format for its newsletter, and renamed to the Communication Design Quarterly. There are now three editions of this newer format.

An ongoing initiative for SIGMETRICS is a proposed new journal, tentatively called ACM Transactions on Performance Evaluation (ToPE). The SIG has updated its proposal based on feedback received from the ACM Publications Board, and has constituted a tentative editorial board and two Co-EiCs (Editor in Chiefs) for the journal. The revised proposal was submitted back to ACM for final approval.

## 5.3 Technical Meetings

SIGBED featured three keynotes at CPSWEEK 2013 discussing new CPS applications and significant challenges: Deborah Estrin, Cornell Tech, "Sensemaking for Mobile Health"; Vijay Kumar, U Penn, "Computing without processors"; and Manfred Broy, T.U. Munich, "Challenges in Modeling Cyber-Physical Systems".

The 2013 edition of ASIACCS, sponsored by SIGSAC, was held in Hangzhou, China, in May 2013. The conference received 216 submissions, a major increase with respect to the previous year, of which 62 were accepted (a 29% acceptance rate).

Several components of the SIGARCH ISCA 2013 event addressed emerging areas. Programs included tutorials on energy-secure architectures, workloads for the cloud, security, and power, as well as workshops on architectures for Big Data, Brain-inspired computing, architectural support for security and privacy, energy efficiency, and energy security.

HILT (renamed from SIGAda) 2012 included five outstanding keynote speeches: Kathleen Fisher, DARPA Information Innovation Office, *HACMS: High-Assurance Vehicles*; Nancy Leveson, Massachusetts Institute of Technology, *Challenges for Safety-Critical Software*; Barbara Liskov, Massachusetts Institute of Technology, *Programming the Turing Machine*; Greg Morrisett, Harvard University, *Hardening Legacy C/C++ Code* and Guy Steele, Oracle Labs, *Programming Language Life Cycles*.

The Fourteenth ACM Conference on Electronic Commerce (EC'13) sponsored by SIGecom was held June 16-20, 2013 at U. Pennsylvania, Philadelphia PA and attracted over 210 attendees.

The new conference (SIGSIM-PADS) introduces content based on computational methods, models, algorithms, and platforms. Research was presented at SIGSIM-PADS 2013 in the following areas: automatic model generation, heterogeneous parallel simulation, modeling and simulation theory, multicore architectures for simulation, activity modeling, agent-based simulation, distributed simulation, hardware-in-the-loop simulation, applications, and a *grand challenges in modeling* panel.

STOC, as the flagship conference for SIGACT, has been broadening its reach and increasing its attendance with the inclusion of satellite workshops and a poster session. This year it was held in conjunction both with the Computational Complexity Conference (CCC) with which it is in-cooperation and with a workshop on the Visions of the Theory of Computing held at the new Simons Institute for Theoretical Computer Science.

In 2012, SIGMM celebrated the 20<sup>th</sup> anniversary of its ACM Multimedia Conference in Nara, Japan. Keynote speaker Masahiro Fujita from the Sony Corporation spoke about the “Future Direction of Digital Content”. The second major event was the 20<sup>th</sup> anniversary panel, called “Coulda, Woulda, Shoulda: 20 Years of Multimedia Opportunities”, Panelists discussed the state of the multimedia area, achievements and the missed opportunities that have not been seen coming in the industry.

#### 5.4 Professional Recognition/Awards

<u>Sponsors</u>	<u>Award</u>	<u>Awardee</u>
ACCESS	SIGACCESS Best Paper Award	Shiri Azenkot, Kyle Rector, Richard Ladner, and Jacob Wobbrock
	SIGACCESS Best Student Paper Award	Ha Trinh, Annalu Waller, Keith Vertanen, Per Ola Kristensson, and Vicki L. Hanson
	SIGACCESS Award for Outstanding Contributions to Computing and Accessibility	Dr. John Gardner
ACT	Distinguished Service Prize	Lane Hemaspaandra
	Godel Prize (with EATCS)	Antoine Joux Dan Boneh and Matthew K. Franklin
	Danny Lewin Best Student Paper Award	Siu On Chan Aaron Bernstein
	Edsger W. Dijkstra Prize in Distributed Computing (with SIGOPS)	Nathan Linial
	Knuth Prize	Gary Miller
Ada	SIGAda Outstanding Ada Community Contribution	Pat Rogers and Luis Miguel Pinho
	SIGAda Distinguished Service Award	James C. Morrison
ARCH	Eckert-Mauchly Award (co-sponsored with IEEE CS)	James Goodman
	Maurice Wilkes Award	Parthasarathy (Partha) Ranganathan

	Influential ISCA Paper	Srilatha Manne, Artur Klauser, Dirk Grunwald
	ASPLOS Influential Paper	Ravi Rajwar and James R. Goodman
APP	SIGAPP Distinguished Service Award	Mathew Palakal
ART	Autonomous Agents Research Award	Jeffrey S. Rosenschein
BED	Frank Anger Memorial Award (with SIGSOFT)	Indranil Saha
	SIGBED-EMSOFT Best Paper Award	Albert Cohen, Léonard Gérard, and Marc Pouzet
CAS	SIGCAS Making a Difference Award	Roxanne Starr Hiltz
	SIGCAS Outstanding Service Award	Beth Hawthorne
CHI	CHI Lifetime Practice Award	Jakob Nielsen
	CHI Lifetime Research Award	George Robertson
	CHI Lifetime Service Award	Joe Konstan
	CHI Social Impact Award	Sara Czaja
	CHI Academy	Tom Tullis, Erik Horvitz, Beki Grinter, Patrick Baudisch, Clarisse De Souza, Bonnie Nardi, Alan Dix, Victoria Bellotti
COMM	SIGCOMM Lifetime Achievement Award	Larry Peterson
	SIGCOMM Rising Star Award	Teemu Koponen
	SIGCOMM Test-of-Time Paper Award	Brent Chun, David Culler, Timothy Roscoe, Andy Bavier, Larry Peterson, Mike Wawrzoniak and Mic Bowman. Kevin Fall
	SIGCOMM Best PhD Thesis Award	Shyamnath Gollakota.
CSE	SIGCSE Award for Outstanding Contributions to Computer Science Education	Michael Kolling
	The SIGCSE Lifetime Service Award	Henry Walker
DA	ACM Outstanding Ph.D. Dissertation Award in EDA	Duo Ding and Guojie Luo
	SIGDA Outstanding New Faculty Award	Shobha Vasudevan
	ACM/IEEE A. R. Newton Award	Keith Nabors and Jacob White

	ACM SIGDA/IEEE CEDA William J. McCalla ICCAD Best Paper Award	Suming Lai, Boyuan Yan, and Peng Li
DOC	Rigo Award	Gerhard Fischer
eCOM	SIGeCOM Best Paper/Best Student Paper	Constantinos Daskalakis, Alan Deckelbaum, and Christos Tzamos
EVO	SIGEVO GECCO Impact Paper Award	Xiaodong Li
GRAPH	SIGGRAPH Computer Graphics Achievement Award	Greg Turk
	SIGGRAPH Significant New Researcher Award	Karen Liu
	SIGGRAPH Distinguished Artist Award for Lifetime Achievement in Digital Art	Jean-Pierre Hébert
	SIGGRAPH Outstanding Service Award	David Kasik
IR	SIGIR Gerard Salton Award	Norbert Fuhr
	SIGIR Best Paper Award	Mark D. Smucker, Charles L. A. Clarke
	SIGIR Best Student Paper Award	Shuzi Niu, Jiafeng Guo, Yanyan Lan, and Xueqi Cheng
	Vannevar Bush Award (with SIGWEB)	Hongbo Deng, Jiawei Han, Michael R. Lyu, Irwin King
KDD	SIGKDD Distinguished Dissertation Award	Amr Ahmed
	SIGKDD Innovation Award	Vipin Kumar
	SIGKDD Service Award	Ying Li
METRICS	SIGMETRICS Achievement Award	Jean Walrand
	SIGMETRICS Rising Star Researcher Award	Augustin Chaintreau
	Kenneth C. Sevcik Outstanding Student Paper Award	John N. Tsitsiklis and Kuang Xu
	SIGMETRICS Test-of-Time Paper Award	Yin Zhang, Matthew Roughan, Nick Duffield, and Albert Greenberg
MIS	Magid Ighbaria Outstanding Conference Paper Award	Violet Ho, Jonathan Whitaker, Sunil Mithas and Prasanto Roy

SIGMOBILE	<p>SIGMOBILE Outstanding Contributions Award</p> <p>MobiSys Best Paper Award</p> <p>MobiCom Best Paper Award</p> <p>MobiHoc Best Paper Award</p>	<p>PR Kumar</p> <p>Robert LiKamWa, Bodhi Priyantha, Matthai Philipose , Lin Zhong , Paramvir Bahl</p> <p>Tam Vu, Akash Baid, Simon Gao Marco Gruteser, Richard Howard Janne Lindqvist, Predag Spasojevic and Jeffrey Walling</p> <p>Cong Shi, Vasileios Lakafosis, Mostafa Ammar, and Ellen Zegura</p>
MM	<p>SIGMM Award for Outstanding Technical Contributions</p> <p>SIGMM Award for Outstanding PhD Thesis</p> <p>ACM Nicolas D. Georganas Best Paper Award</p>	<p>Hong-Jiang Zhang</p> <p>Wanmin Wu</p> <p>Pavel Korshunov and Wei Tsang Ooi</p>
MOD	<p>SIGMOD Contributions Award</p> <p>SIGMOD Edgar F. Codd Innovations Award</p> <p>Alberto Mendelzon Test of Time Award</p> <p>SIGMOD Jim Gray Doctoral Dissertation Award</p> <p>SIGMOD Test of Time Award</p>	<p>Stefano Ciri</p> <p>Bruce Lindsay</p> <p>Irit Dinur and Kobbi Nissim</p> <p>Sudipto Das</p> <p>Samuel Madden, Michael Franklin, Joseph M. Hellerstein, and Wei Hong</p>
OPS	<p>Mark Weiser Award</p> <p>SIGOPS Hall of Fame Award</p> <p>Edsger W. Dijkstra Prize in Distributed Computing</p> <p>ASPLOS Influential Paper Award</p>	<p>Jeff Dean and Sanjay Ghemawat</p> <p>Brian M. Oki, Barbara H. Liskov Leslie Lamport Kai Li and Paul Hudak Mendel Rosenblum and John K. Ousterhout</p> <p>Maurice Herlihy and J. Eliot B. Moss</p> <p>Nir Shavit and Dan Touitou</p> <p>Ravi Rajwar and James R. Goodman</p>
PLAN	<p>ACM SIGPLAN PL Achievement Award</p> <p>SIGPLAN Distinguished Service Award</p> <p>SIGPLAN PL Software Award</p>	<p>Patrick and Radhia Cousot</p> <p>Kathleen Fisher</p> <p>The Coq Proof Assistant</p>

	<p>SIGPLAN Outstanding Doctoral Dissertation Award</p> <p>SIGPLAN Robin Milner Young Researcher Award</p> <p>Vlissides Award</p> <p>Most Influential ICFP Paper Award</p> <p>Most Influential OOPSLA Paper Award</p> <p>Most Influential POPL Paper Award</p> <p>Most Influential PLDI Paper Award</p> <p>ASPLOS Influential Paper Award</p>	<p>Patrick Rondan</p> <p>Lars Birksedal</p> <p>Gustavo Soares</p> <p>Robby Findler and Matthias Felleisen</p> <p>Emery Berger, Benjamin G. Zorn and Kathryn S. McKinley</p> <p>David F. Bacon, Perry Cheng, and V.T. Rajan</p> <p>David Gay, Philip Levis, J. Robert von Behren, Matt Welsh, Eric Brewer, and David E. Culler</p> <p>Ravi Rajwar and James R. Goodman</p>
SAC	<p>SIGSAC Outstanding Contribution Award</p> <p>SIGSAC Outstanding Innovation Award</p>	<p>Robert Herklotz</p> <p>Ravi Sandhu</p>
SAM	<p>ISSAC Distinguished Paper Prize</p> <p>ISSAC Distinguished Student Author Prize</p> <p>SIGSAM Richard D. Jenks Memorial Prize</p>	<p>Jingguo Bi, Qi Cheng, and J. Maurice Rojas</p> <p>Pierre Lairez and Qingdong Guo</p> <p>William Stein</p>
SIM	<p>Distinguished Contribution Award</p>	<p>Robert G. Sargent</p>
SOFT	<p>ACM SIGSOFT Distinguished Service Award</p> <p>Outstanding Research Award</p> <p>SIGSOFT Impact Paper Award</p> <p>SIGSOFT Influential Educator Award</p> <p>SIGSOFT Outstanding Doctoral Dissertation Award</p> <p>Frank Anger Memorial Award (with SIGBED)</p>	<p>Wilhelm Schäfer</p> <p>David Notkin</p> <p>Michael Ernst, Jake Cockrell, Bill Griswold, and David Notkin</p> <p>Tony Wasserman</p> <p>Mark Gabel</p> <p>Indranil Saha (SIGBED)</p>
WEB	<p>Vannevar Bush Award (with SIGIR)</p> <p>Douglas C. Engelbart Award</p>	<p>Hongbo Deng, Jiawei Han, Michael R. Lyu, Irwin King</p> <p>David Millard, Charlie Hargood,</p>

	Theodor Holm Nelson Award	Michael Jewell, Mark Weal
WEB	DocEng Best Paper Award	Dominic Rout, Daniel Preotiuc-Pietro, Kalina Bontcheva, and Trevor Cohn
		Graeme Gange, Kim Marriott and Peter Stuckey

## 5.5 Educational Programs and Special Projects

In conjunction with representatives of 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. The latest version of the curriculum, IS 2010 Curriculum Guidelines for Undergraduate Degree Programs in Information Systems, was finalized and is now available.

SIGCSE continues as a Society Partner in Project Kaleidoscope's SISL in STEM initiative (<http://www.aacu.org/pkal/disciplinarysocietypartnerships/sisl/index.cfm>). A SIGCSE representative has been present during several conference calls and SIGCSE has a member on 5 of the 6 working committees.

SIGSOFT and the National Science Foundation (NSF) held the 3<sup>rd</sup> Software Engineering Educators Symposium (SEES) at FSE-2012. It consisted of two half-day tutorials covering approaches for teaching programming and software engineering to undergraduates. Some of the approaches were experimental while others have shown some success in recruitment and retention of women and minority students.

SIGCHI's focus on education involved two inter-related projects: gathering a large and globally representative sample of respondents for its survey on HCI education, and building an online community to support HCI Education. Progress to date includes identification of 7 broad populations to target for future outreach: The United Kingdom, Scandinavia, Spain and Spanish-speaking countries in South America, France and Belgium, Austria and Germany, India, and Australia and New Zealand.

SIGBio started a PhD Dissertation Abstract Repository to host dissertation abstracts collected from PhD students. It will be available for public access.

The East Coast Computer Algebra Day (ECCAD'13) was held on April 27, 2013, at the US Naval Academy in Annapolis, MD USA. The workshop was sponsored by the Office of Naval Research, Maplesoft and the Naval Academy in cooperation with SIGSAM. Poster abstracts from ECCAD'12 were published in the CCA issue 184.

SIGCAS ran a half-day workshop "Share and Learn" on computing and social issues, before the main SIGCSE conference in Denver, CO on March 6th 2013. SIGCAS Vice-Chair Netiva Caftori and Former Chair Flo Appel again ran the event, which attracted 30 attendees.

SIGCOMM's program of community-supported projects is now in its second year. Community-supported projects receive funding from SIGCOMM to create tools, data sets, etc. that can benefit a large fraction of the community. Projects funded in 2013 include "An Open-Source Instructional Network Laboratory", "Experiment-Based Teaching for the Future ACM CS 2013 Curricula", and "Joule Jotter: Collecting power utilization datasets from Households and Buildings".

SIGGRAPH's Education Committee collaborated with Unity 3D to present a Training Seminar at SIGGRAPH 2012, where it also supported the Autodesk Education Summit. This Summit brings together the worldwide community of post-secondary and technical educators, program directors, trainers, and more to discuss key industry trends and best practices, network with their peers and learn about Autodesk products and programs, including a special focus on virtual production techniques.

50th Design Automation Conference sponsors a Young Student Fellow Program to assist young students

at the beginning of a career in EDA and Embedded Systems. A Newton Fellow will receive financial travel support to attend DAC, sponsored by SIGDA and IEEE. The fellowship actively supports the next generation and brings students into DAC who otherwise would not be able to come.

SIGMOBILE established the Mobile Computing Research Community (MCRC) fund to support research projects and activities that have wide benefit to the mobile research community. The proposal process is featured on its website: <http://www.sigmobile.org/mcrc/>

SIGOPS is introducing a new professional travel scholarship program for SOSP intended to increase the diversity of professional attendees at SOSP. Applications from professionals in areas of the world currently under-represented at systems conferences and from faculty who are teaching operating systems at institutions not typically represented at systems conferences are especially encouraged. The first awards will be made for travel to SOSP13.

## **5.6 International Activities**

SIGevo's FOGA workshop 2013 was held in January 2013 at the University of Adelaide in Australia. GECCO 13 is slated for Amsterdam.

SIGMICRO's flagship MICRO conference celebrated its 45th anniversary in 2012 in Vancouver, Canada with a turnout of over 300 people. SIGMICRO polled attendees using surveymonkey.com and reported satisfaction levels showed a marked improvement over MICRO-2011.

SIGITE's 13<sup>th</sup> Annual Conference on Information Technology Education, hosted by Mount Royal University, was held in Calgary, Alberta, Canada, October 11-13, 2012. Co-located was the 1<sup>st</sup> Annual Research in IT Conference. 113 registrants attended 50 technical papers, five panels and a poster session at the Hotel Arts in downtown Calgary.

KDD 12 was held in Beijing. The conference included 4 world-class keynote speakers: Robin Li, Jiawei Han, Michael Jordan, and Michael Kearns and provided expert overviews of the latest advances. A panel discussion on Big Data was held as part of the closing session and attracted a record attendance of over 1000 attendees – the largest ever for a panel or closing session at KDD.

The 28<sup>th</sup> Annual edition of SAC has marked another successful event for SIGAPP of the Symposium on Applied Computing. This international gathering attracted over 350 attendees from over 58 countries. It was hosted and held on the campus of Institute of Engineering of the Polytechnic Institute of Coimbra (ISEC-IPC), Coimbra, Portugal in March of 2013.

## **5.7 Collaborative Efforts**

The WebSci conference series is entirely sponsored by SIGWEB and is governed by a Memorandum of Understanding with the Web Science Trust. Its Steering Committee includes a representative from the International Communications Association.

SIGHPC is working with the Anita Borg Institute to establish a new joint award for the "SIGHPC/ABI Emerging Leader in Technical Computing." As of the close of FY13, it is pending final approval by the ACM Awards Committee and ACM Council.

SIGART participated in the IEEE/ACM Curriculum Initiative to review CS curricula. Participating in the IEEE/ACM joint initiative are SIGART Appointed Officers/Educational Activities Liaisons: Mehran Sahami and Peter Norvig.

Appendix A – Membership & Technical Activity Summary  
Appendix B – Financial Summary

Appendix C – Conference Summary  
Appendix D – Individual SIG Reports