



Annual General Meeting 2009

**Special Interest Group on Symbolic and
Algebraic Computation**

SIGSAM

Jeremy Johnson, SIGSAM Chair (July 2009 – June 2011)

Mark Giesbrecht, SIGSAM Chair (July 2007 – June 2009)

July 29, 2009

What is SIGSAM?

Since 1967 SIGSAM has been the largest international organization representing, promoting and supporting the computer algebra and symbolic computation scientific communities.

Our scope encompasses the design, analysis and implementation of algorithms and systems for symbolic and algebraic computation and their application to problems of science and broader society.

SIGSAM regularly:

- Publishes the Communications in Computer Algebra
- Sponsors conferences (such as ISSAC)
- Sponsors, funds, and nominates for awards
- Informs members on computer algebra activities and events
- Anything to support the computer algebra community

SIGSAM 2007–2009

Elected officials (July 2007 – June 2009)

- Chair: Mark Giesbrecht (U. Waterloo, Canada)
- Vice Chair: Peter Paule (RISC, Linz, Austria)
- Secretary: Wen-shin Lee* (Antwerp, Belgium)
- Treasurer: Daniel Lichtblau (Wolfram Research, USA)

Other Executive Committee members

- Information Director: William J. Turner* (Wabash College, USA)
- CCA Editor: Ilias Kotsireas* (Wilfrid Laurier University, Canada)
- CCA Editor: Austin Lobo* (Washington College, USA)
- Past Chair: Emil Volcheck (National Security Agency, USA)

*Continuing for 2009–2011

SIGSAM 2009–2011

Elected officials (July 2009 – June 2011)

- Chair: Jeremy Johnson (Drexel University, USA)
- Vice Chair: Elizabeth Mansfield (Kent, UK)
- Secretary: Wen-shin Lee (Antwerp, Belgium)
- Treasurer: Agnes Szanto (NCSU, USA)

Other Executive Committee members

- Information Director: William J. Turner (Wabash College, USA)
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SIGSAM Advisory Board

The advisory board receives regular reports on SIGSAM activities and provides feedback to the officers on matters of SIGSAM interest.

Current Advisory Board

Gene Cooperman (USA): 2005-9

Ziming Li (China): 2005-9

George Labahn (Canada): 2005-9

Laureano Gonzalez-Vega (Spain): 2005-9

Joachim von zur Gathen (Germany): 2006-9

Jean-Guillaume Dumas (France): 2007-11

Michael Monagan (Canada): 2007-10

Stephen Watt (Canada): 2008-11

Tateaki Sasaki (Japan): 2008-11

Dongming Wang (China/France): 2008-11

- Propose to extend terms of von zur Gathen
- Will elect 4 new advisory board members
- Nominations: Daniel Lichtblau, Manuel Kauers, John May, Xiaoshan Gao

Who is SIGSAM (the membership)

Total of 292 members

- Asia: 8%
- Europe: 23%
- North America: 66%
- Other (South America and Australia): 3%

Membership fees:

- \$30US / €20 regular
- \$9US / €6 student

Membership included with non-member ISSAC registration for ISSAC 2009.

Benefits of Membership

- Two printed issues of CCA per year
- Early access to CCA through SIGSAM website
- DVD of ISSAC Proceedings, etc.
- Support SIGSAM activities and awards
- Membership fees:
 - \$30US / €20 regular
 - \$9US / €6 student

Volunteer to help with our work! (Ask us how!)

Successful SIGSAM Viability Renewal

- ACM SIGs are evaluated regularly by ACM for viability
 - Typically this is a 4 year review cycle
- SIGSAM had received 2-year renewals in 2005 and 2007
- SIGSAM was given a 4-year renewal in March 2009

Financial Report

Revenue

	<i>2007-8 Actual</i>	<i>2008-9 Preliminary</i>
<i>SIG Dues</i>	7,811	7,785
<i>Subscription Revenue</i>	1,678	1,149
<i>Publication Sales</i>	824	81
<i>Digital Library</i>	10,000	12,548
<i>Other Revenue</i>	1,373	4,206
<i>Total Organizational Revenue</i>	21,686	26,069
<i>Conference Revenue</i>	64,567	*
<i>Total Revenue</i>	86,253	21,652

Financial Report (2)

Expenses

	<i>2007-8 Actual</i>	<i>2008-9 Preliminary</i>
<i>Publication Expenses</i>	3,634	2,847
<i>Allocations</i>	10,000	10,000
<i>Service Charge to Conferences</i>	-7,994	0
<i>Other Expenses</i>	1,840	2260
<i>Total Organizational Expenses</i>	7479	15,107
<i>Conference Expenses</i>	53,727	0
<i>Total Expenses</i>	61,206	15,107
<i>Initial Fund Balance</i>	18,434	40,134
<i>Net Surplus</i>	25,047	10,962
<i>Ending Fund Balance</i>	43,481	51,096

ISSAC Contingency Fund: \approx 2890

ACM SIGSAM Communications in Computer Algebra

- The Communications on Computer Algebra has been published since 1965
- Includes reviewed technical articles, calls for papers and participation, surveys, announcements, new Ph.D. abstracts, job postings.
 - Formerly as the SIGSAM Bulletin (1967 – 2004) and SIGSIC Bulletin (1965 – 1967)
- CCA is (almost) up-to-date and publish 4 issues per year in their listed month of issue.
- Switched to printing only 2 double-issues per year, 4 issues electronically. This has been very cost-effective
- Please submit anything you think appropriate and interesting to our community.

CCA Editorial Board

Editors in Chief

- Austin Lobo
- Ilias Kotsireas

Associate Editors

- Chris Brown (Formally Reviewed Art.) (USA)
- Jean-Guillaume Dumas (France)
- Massimo Caboara (Italy)
- Laureano Gonzalez-Vega (Spain)
- Manuel Kauers (Austria)
- Michael Wester (USA)
- Eugene Zima (Canada)

Awards

SIGSAM both sponsors prizes in computer algebra and nominates our best for more global prizes.

Nominations

- ACM Fellows (J. Moses, 2009)
- Kanellakis award (B. Buchberger 2009)
- Jenks awards (the Gap Group 2008)

Sponsorship and funding

- ISSAC Distinguished Paper and Distinguished Student Contribution prizes, from endowment of \$40,662.
- Richard D. Jenks Memorial Prize for Excellence in Software Engineering applied to Computer Algebra (with SIGSOFT), from an endowment of \$27,285.

SIGSAM Support for ISSAC

SIGSAM supports many computer algebra conferences with appropriate levels of sponsorship.

ISSAC

- Since 1989 SIGSAM has sponsored ISSAC at some level.
- 50% of revenues from any ISSAC conference with financial sponsorship are now designated for ISSAC-related expenditures.
- ISSAC 2007 at the University of Waterloo, Waterloo, Canada, fully sponsored by ACM/SIGSAM.
- ISSAC 2008 in Linz *in cooperation with* ACM.
 - ISSAC 2008 organizers deposited a portion of revenues into the “ISSAC fund”
- ISSAC 2009 *co-sponsored* by ACM and KIAS.

SIGSAM sponsorship for other conferences

- In 2008 ECCAD, SNC and were sponsored “In Cooperation with ACM” and fully endorsed by SIGSAM.
- This level of sponsorship provides broad library distribution through ACM Digital Library, with access for SIGSAM members.
- ACM/SIGSAM provides scientific endorsement and broad publication

If you are organizing a computer algebra, please talk to us about the benefits of various options for SIGSAM involvement.

ACM Transactions On Mathematical Software

The “ACM Transactions on Mathematical Software” (TOMS) seeks to communicate important research results addressing the development, evaluation and use of mathematical software.

- TOMS publishes machine-readable computer software which is incorporated into the “Collected Algorithms of the ACM.”
- SIGSAM holds a seat on the TOMS editorial board (currently Gene Cooperman) and encourages submissions of computer algebra papers to TOMS.

New SIGSAM Web Site

A major makeover the SIGSAM website is being undertaken

- incorporates all the old content in a more structured way
- adds a large amount of exciting new content
 - subscription calendars of events (google and ical),
 - newsfeeds for computer algebra events and announcements
 - new Ph.D. abstracts,
 - job opportunity listings
 - extensive archives of conference, journal and books related to the discipline.
- **Thanks** to John May and Daniel Roche, our new Web Administrators
- Please come and check it out: <http://www.sigsam.org>