SIAG/CSE
BUSINESS MEETING
Thursday, February 28, 2013
6:45-7:45 pm
1. Welcome
2. SIAG/CSE election 2012 - new officers - outgoing officers
3. Membership report
4. Announcements
   a. Next SIAG/CSE election 2014 for officers starting 1/1/2015
   b. Communication
      i. SIAG/CSE electronic mailing list siam-cse@siam.org
      ii. Wiki.siam.org/siag-cse
      iii. SIAM News
5. CSE13 Conference
6. Possible CSE Student Prize
7. Possible changes for future CSE conferences, next meetings CSE15, CSE17
   a. Location
   b. Timing
   c. Program committee
8. Petzoldt Report Update
9. Possible other SIAG/CSE activities for the future
10. Adjourn
NEW CSE OFFICERS
1/1/2013-12/31/2014

• Chair: Uli Ruede
• Vice Chair: Karen Willcox
• Program Director: Lois Curfman McInnes
• Secretary: Hans De Sterck
THANKS TO THE OUTGOING SIAG/CSE OFFICERS

Kirk Jordan, Chair,
Carol Woodward, Vice Chair
Karen Willcox, Program Director
Luke Olson, Secretary/Treasurer
12,362 SIAM ACTIVITY GROUP MEMBERSHIPS (as of 12/31/12)

51% of all nonstudent and 47% of all student members belong to 1 or more SIAGs
SIAG/CSE MEMBERS
2004 as of 12/31/12

- Student: 51%
- Non-Student: 49%
SIAG/CSE MEMBERS BY EMPLOYER TYPE

not including students

(information available on 89% of all SIAG/CSE nonstudent members)

INDUSTRY: 13%
GOVERNMENT: 16%
ACADEMIA: 65%
NON PROFIT: 2%
CONSULTING: 3%
TECH INSTITUTE: 1%
SIAG/CSE MEMBERS BY GEOGRAPHY
73% US, 27% Outside US
SIAG/CSE MEMBERSHIP BY GENDER

MALE 77%  FEMALE 14%  Unknown 9%

NUMBER MEMBERS

<table>
<thead>
<tr>
<th>MEMBER TYPE</th>
<th>NON STUDENTS</th>
<th>STUDENTS</th>
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<tbody>
<tr>
<td>MALE</td>
<td>828</td>
<td>720</td>
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<tr>
<td>FEMALE</td>
<td>43</td>
<td>139</td>
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<tr>
<td>Unknown</td>
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<td>165</td>
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SIAG/CSE MEMBERSHIP BY GENDER

MALE 77%  FEMALE 14%  Unknown 9%
SIAG CSE DEPARTMENTS

ENGINEERING 18%

MATH SCIENCES 50%

COMPUTER SCIENCE 18%

OTHER 8%

PHYSICS 2%

OTHER PHYSICAL SCIENCES 2%

OP RESEARCH 1%

STATISTICS 1%
ANNOUNCEMENTS

- SIAG/CSE next election 2014
- SIAG/CSE charter renewal 2014
- SIAG/CSE wiki:
  - \texttt{http://wiki.siam.org/siag-cse/}
- SIAG/CSE electronic mail list
  - \texttt{siam-cse@siam.org}
- SIAM News: Story ideas
SIAG/CSE CONFERENCE HISTORY

2013 Pre-registration
# only
Organizing Committee Co-chairs:

Karen Willcox, Massachusetts Institute of Technology, USA

Hans Petter Langtangen, Simula Research Laboratory and University of Oslo, Norway
FUTURE CONFERENCES: AN14

- SIAG/CSE track at AN14
- July 7-11, 2014
- Chicago, Illinois, USA
- Kirk Jordan, SIAG/CSE rep on organizing committee
NEXT CONFERENCE: CSE 15

Organizing Committee Co-chairs:

Hans De Sterck, University of Waterloo
Chris Johnson, University of Utah
Lois Curfman McInnes, Argonne National Laboratory

Late February, 2015
Location to be determined
SIAM CSE Conference: Format Considerations

• SIAM CSE Conference is a leading biannual focal point
  – Vibrant exchange of ideas among mathematicians, computer scientists, and domain scientists in academia, industry, labs
  – CSE continuing education in new and rapidly evolving technologies
  – Outreach to students and junior researchers to promote CSE career paths
• But large size creates challenges: difficulties in format scalability
  – Now a 5-day meeting with >20 parallel sessions: impossible scheduling task
  – Potential for continued growth in future years
• Objectives for considering alternative format
  – Maintain SIAM CSE conference role as the premier international conference in the field, while balancing conference quality, networking, and logistics
CSE 15: Possible Revision to Format

Current format:
• Plenary speakers
• Panels
• Poster session with poster blitz
• Contributed minisymposia (2-hour blocks, 4 speakers @ 25 min each)
• Contributed presentations (15 min each)

Possible alternative format:
• Plenary speakers
• Panels
• Poster session with poster blitz
• 20-30 themed minisymposia
  – 2-hour blocks with 4 speakers @ 25 min each
• Contributed minisymposia
  – 2-hour blocks with 6 speakers @ 15 min each
  – can have a “double slot” (if more than one session)
• NO contributed talks
SIAM CSE Conference: Discussion

- Conference format
- Possible locations for CSE15, CSE17
  - Factors to consider include
    - Accessibility
    - Possible use of convention center to accommodate large size
- Conference timing
  - Biennial, late February, in alternating years with SIAM Conference on Parallel Processing for Scientific Computing
  - Annual schedule?
- Organize “CSE-Tracks” at SIAM PP (as our sister conference) (David Bader as chair of SIAG SC has reacted positively)
• Possible new SIAG/CSE (Student) Prize
  – As sustainable replacement for BGCE prize
  – Poster Prize
  – Increase visibility and attendance of student competition
The *Petzold Report* has been guiding us for more than a decade.

It is time for an update!

Define CS&E as an emerging discipline

Grow a CS&E Eco-system for

- Education
- Research
- Funding
- …

Need work group to revise and extend the report!
One report with three areas of focus

• Education and Academics
  – Hans de Sterck?
  – ...
• Research and Funding
  – Lois Curfman McInnes?
  – ...
• Industry
  – Kirk Jordan?
  – ...

Review Meeting (1st draft) at SIAM Parallel Processing in 2014?
• Possible Other Activities?
• Other Business?
Thank you for coming!

Chair: Uli Ruede  
ruede@cs.fau.de

Vice Chair: Karen Willcox  
kwillcox@mit.edu

Program Director: Lois Curfman McInnes  
curfman@mcs.anl.gov

Secretary: Hans De Sterck  
hdesterck@uwaterloo.ca
• If you paid non-member registration fees, you’ll get a discount on membership,
  – Non-member registrant, receive $130 credit, join for $9.
  – Non-member mini speaker/organizer registrant, receive $65 credit, join for $74.

• If you’re not a SIAG/CSE member, but are a SIAM member, join SIAG/CSE for free.

• SIAM and SIAG memberships are a good way to be seen/remembered.
Benefits of SIAM Membership

- *SIAM News*
- *SIAM Review*
- 80%-95% journal discount
- 30% book discount
- 20%-30% conference discount
- Eligible to nominate or be nominated as a SIAM Fellow
- Participate in SIAM governance
- Join SIAM Activity Groups
- Nominate 2 students for free membership
- CML - combined membership directory

For Students:
- Student chapters
- Prizes
- Educational resources
- Fellowship and research opportunities
- Career options/guidance