SIAG/CSE
(COMPUTATIONAL SCIENCE AND ENGINEERING)
BUSINESS MEETING

Thursday, March 2\textsuperscript{nd} from 6:20-7:20pm

Ballroom C - Second floor

Hilton Atlanta
Atlanta, Georgia, USA
Thanks to the outgoing SIAG/CSE Officers for all of your time and hard work!

- **Chair:** Lois Curfman McInnes
- **Vice Chair:** Hans De Sterck
- **Program Director:** Jan Hesthaven
- **Secretary:** Suzanne Shontz
SIAG/CSE17 Business Meeting

New SIAG officers for 2017-2018

- Chair: Hans De Sterck
- Vice Chair: Lorena Barba
- Program Director: Suzanne Shontz
- Secretary: Karen Devine
## SIAM/SIAG CSE Fellows

### Class of 2015
- Ann Almgren
- Charles Elliott
- Tamara Kolda
- Petros Koumoutsakos
- Esmond Ng
- Peter Tang

### Class of 2016
- Chandrajit Bajaj
- Xiao-Chuan Cai
- Clint Dawson
- Michael Hintermüller
- Bo Kågström
- Andrew Knyazev
- Alan Laub
- Sherry Li
- James Nagy
- Christoph Schwab
SIAG/CSE Conference History

Pre-Reg

<table>
<thead>
<tr>
<th>Year</th>
<th>City, State</th>
<th>Minisymposia Sessions</th>
<th>Contributed Lectures</th>
<th>Contributed Posters</th>
<th>Comps</th>
<th>Students</th>
<th>Total Reg</th>
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<tbody>
<tr>
<td>Salt Lake City, UT</td>
<td>26</td>
<td>304</td>
<td>130</td>
<td>285</td>
<td>76</td>
<td>223</td>
<td>1421</td>
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<tr>
<td>Atlanta, GA</td>
<td>32</td>
<td>327</td>
<td>164</td>
<td>333</td>
<td>75</td>
<td>315</td>
<td>1465</td>
</tr>
</tbody>
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(16 Eposter; 66 minisymposia)
SIAG/CSE Conference CSE17

**Conference Co-Chairs**
- Clint N. Dawson, The University of Texas at Austin, USA
- Jan S. Hesthaven, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
- Xiaoye Sherry Li, Lawrence Berkeley National Laboratory, USA
- Wil H.A. Schilders, Technische Universiteit Eindhoven, Netherlands

**Organizing Committee**
- Rémi Abgrall, University of Zurich, Switzerland
- Mark Ainsworth, Brown University, USA
- Michele Benzi, Emory University, USA
- Hans-Joachim Bungartz, Technical University of Munich, Germany
- Edmond Chow, Georgia Institute of Technology, USA
- Jing-Rebecca Li, Inria, France
- Youssef Marzouk, Massachusetts Institute of Technology, USA
- Luke Olson, University of Illinois, Urbana-Champaign, USA
- Jennifer Scott, Rutherford Appleton Laboratory, United Kingdom
- Anna-Karin Tornberg, Royal Institute of Technology, Stockholm, Sweden
- Ulrike Meier Yang, Lawrence Livermore National Laboratory, USA
SIAG/CSE Prizes

SIAM Activity Group (SIAG) Prizes are awarded at the SIAG Conferences:

- **SIAG/CSE Early Career Prize**
  The SIAM Activity Group on Computational Science and Engineering (CSE) Early Career Prize, established in 2016, is awarded to an outstanding early career researcher in the field of CSE for distinguished contributions to the field, within seven (7) years of receiving the PhD or equivalent degree as of January 1 of the year of the award.

- **SIAM/ACM Prize in Computational Science and Engineering**
  (Not technically a SIAG prize, but it’s great it gets awarded at the CSE conference.)
Next Conference: CSE19

- **co-chairs:**
  - Suzanne Shontz (University of Kansas) (SIAG/CSE program director)
  - Luke Olson (University of Illinois at Urbana-Champaign)
  - Jeffrey Hittinger (Lawrence Livermore National Laboratory)
Next Conference: CSE19

- Location
  - San Diego
  - Austin
  - Albuquerque
  - Seattle
  - Phoenix
  - Denver

- suggestions?
Next Conference: CSE19

- dates: Feb-Mar
- format?
- themes?
- other points? (fix location 3 years ahead?)
SIAM Annual Meeting 2017 (AN17)

July 10-14, 2017
David Lawrence Convention Center (DLCC)
Pittsburgh, PA, USA

Conference Co-chairs:
- Des Higham, University of Strathclyde, United Kingdom
- Jennifer Mueller, Colorado State University, USA

Joint With:
- SIAM Conference on Industrial and Applied Geometry (GD17)
- SIAM Conference on Control and Its Applications (CT17)
Special CSE track at AN18

- about 10 single-session minisymposia sponsored by SIAG/CSE

- themes? (organizers will be solicited by SIAG program director)

- would you like to organize a session in the track? (email Suzanne Shontz <shontz@ku.edu>) (we will solicit sessions via SIAG mailing list)
The 2017 Gene Golub SIAM Summer School on Data Sparse Approximations and Algorithms

May 29 – June 9, 2017
Akademie Berlin-Schmöckwitz, Germany

2018 Call for G^2S^3 proposals
• Full proposal due March 31, 2017

www.siam.org/students/g2s3
If you paid non-member registration fees, you’ll get a discounted 12 month membership (January 2017-December 2017)

- Non-member registrant: Receive a $130 credit and join for only $21.00 (normally $151.00)
- Non-member mini-speaker/organizer registrant: Receive a $65 Credit and join for only $86.00 (normally $151.00)

If you’re not a SIAG/CSE member, but are a SIAM member, join SIAG/CSE for free (Students can always join up to 2 SIAGS for free!)

- SIAM and SIAG Memberships are a good way to be network with others in your specialty and the community
For SIAM Student Members

- Free or discounted memberships
- Student Chapters
- Prizes
- Educational Resources
- Fellowship and research opportunities

- Career options and guidance
- Join 2 SIAM Activity Groups for free!
SIAG/CSE Membership Report

As of 12/31/2016
SIAG/CSE Membership History

- **NON-STUDENT MEMBERS**
- **STUDENT MEMBERS**
- **TOTAL**

Year | Non-Student Members | Student Members | Total
--- | ------------------- | ---------------- | ---
2002 | 644                | 110             | 754
2003 | 562                | 549             | 1111
2004 | 577                | 483             | 1060
2005 | 648                | 479             | 1127
2006 | 717                | 508             | 1225
2007 | 788                | 1499            | 2287
2008 | 920                | 1739            | 2659
2009 | 2115               | 2238            | 4353
2010 | 2339               | 2004            | 4343
2011 | 2013               | 1815            | 3828
2012 | 1129               | 1098            | 2227
2013 | 1136               | 1156            | 2292
2014 | 1224               | 1166            | 2390

Years: 2002 to 2016
Overall SIAG Membership

[Bar chart showing membership breakdown by department, with categories for Nonstudent and Student membership.]

- CSE: 2400 (Nonstudent: 1200, Student: 1200)
- DS: 700 (Nonstudent: 400, Student: 300)
- OPT: 600 (Nonstudent: 300, Student: 300)
- DIA: 500 (Nonstudent: 300, Student: 200)
- APDE: 400 (Nonstudent: 200, Student: 200)
- LS: 400 (Nonstudent: 200, Student: 200)
- SC: 300 (Nonstudent: 150, Student: 150)
- LA: 300 (Nonstudent: 150, Student: 150)
- UQ: 200 (Nonstudent: 100, Student: 100)
- FME: 200 (Nonstudent: 100, Student: 100)
- CST: 150 (Nonstudent: 75, Student: 75)
- DM: 150 (Nonstudent: 75, Student: 75)
- IS: 100 (Nonstudent: 50, Student: 50)
- ED: 100 (Nonstudent: 50, Student: 50)
- GS: 75 (Nonstudent: 37.5, Student: 37.5)
- MS: 75 (Nonstudent: 37.5, Student: 37.5)
- AG: 50 (Nonstudent: 25, Student: 25)
- NWCS: 50 (Nonstudent: 25, Student: 25)
- MPE: 25 (Nonstudent: 12.5, Student: 12.5)
- OPSF: 12 (Nonstudent: 6, Student: 6)
- GD: 12 (Nonstudent: 6, Student: 6)
SIAG/CSE Member Demographics

- **Student**: 1166 (48.8%)
- **Nonstudent**: 1224 (51.2%)
SIAG/CSE Members By Employer Type

Academia: 798 (75%)
Government: 136 (13%)
Industry: 88 (8%)
Other: 40 (4%)
SIAG/CSE Membership by Gender

Non Students

- Male 1012 82.7%
- Female 159 13.0%
- Not Indicated 10 7.0%

Students

- Male 801 68.7%
- Female 196 16.8%
- Not Indicated 169 14.5%
SIAG/CSE Members By Geography

- **US Non Students**: 865 (36%)
- **Outside US Non Students**: 359 (15%)
- **US Students**: 807 (34%)
- **Outside US Students**: 359 (15%)
our communication channels

- SIAG/CSE electronic mail list: siam-cse@siam.org
- SIAG/CSE website: http://siags.siam.org/activity/cse
- SIAM News: Story Ideas – Paul Constantine (representative of SIAG/CSE)
- SIAM Blogs
Possible New Initiatives?

1. SIAG website (with online newsletter) (replace wiki and current SIAG webpage) (e.g., DSweb: http://dsweb.siam.org, SIAG/OPT newsletter)

=> are you interested to help develop this? (we will appoint newsletter+website editor(s))
Possible New Initiatives?

2. SIAG best paper prize in CSE (or mid-career prize)?
example: DS, J.D. Crawford Prize

“The J. D. Crawford Prize is awarded every two years to one individual for recent outstanding work on a topic in nonlinear science. One key paper must be cited as evidencing the contributions, though a body of papers may be discussed in the nomination. The qualifying key paper must have been published in English in a peer-reviewed journal during the 4 years before the year of the award.”

- nomination-based
- 4-year window
- endowment funded by donations (SIAM collects donations)
SIAG/CSE Future Plans

- example: SIAG/Optimization Prize
  - awarded to the author(s) of the most outstanding paper, as determined by the prize committee, on a topic in optimization published in English in a peer-reviewed journal
  - nomination-based
  - 4-year window
  - certificate, no cash award
  - prize lecture at conference (no travel funding)
Possible New Initiatives?

1. SIAG website (with online newsletter)
2. SIAG best paper prize in CSE (or mid-career prize)?

Other Business?
thank you!
Benefits of SIAM Membership

- SIAM News
- SIAM Review
- Unwrapped
- 80-90% 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
- Prizes to recognize excellence
- CML – Combined Membership Directory
Chair: Hans De Sterck  
Hans.DeSterck@Monash.edu

Vice Chair: Lorena A. Barba  
labarba@gwu.edu

Program Director: Suzanne Shontz  
shontz@ku.edu

Secretary: Karen D Devine  
kddevin@sandia.gov