

SIAG/CSE
(COMPUTATIONAL SCIENCE
AND ENGINEERING)
BUSINESS MEETING



Thursday, March 2nd from 6:20-7:20pm

Ballroom C - Second floor

Hilton Atlanta
Atlanta, Georgia, USA

SIAG/CSE17 Business Meeting

**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

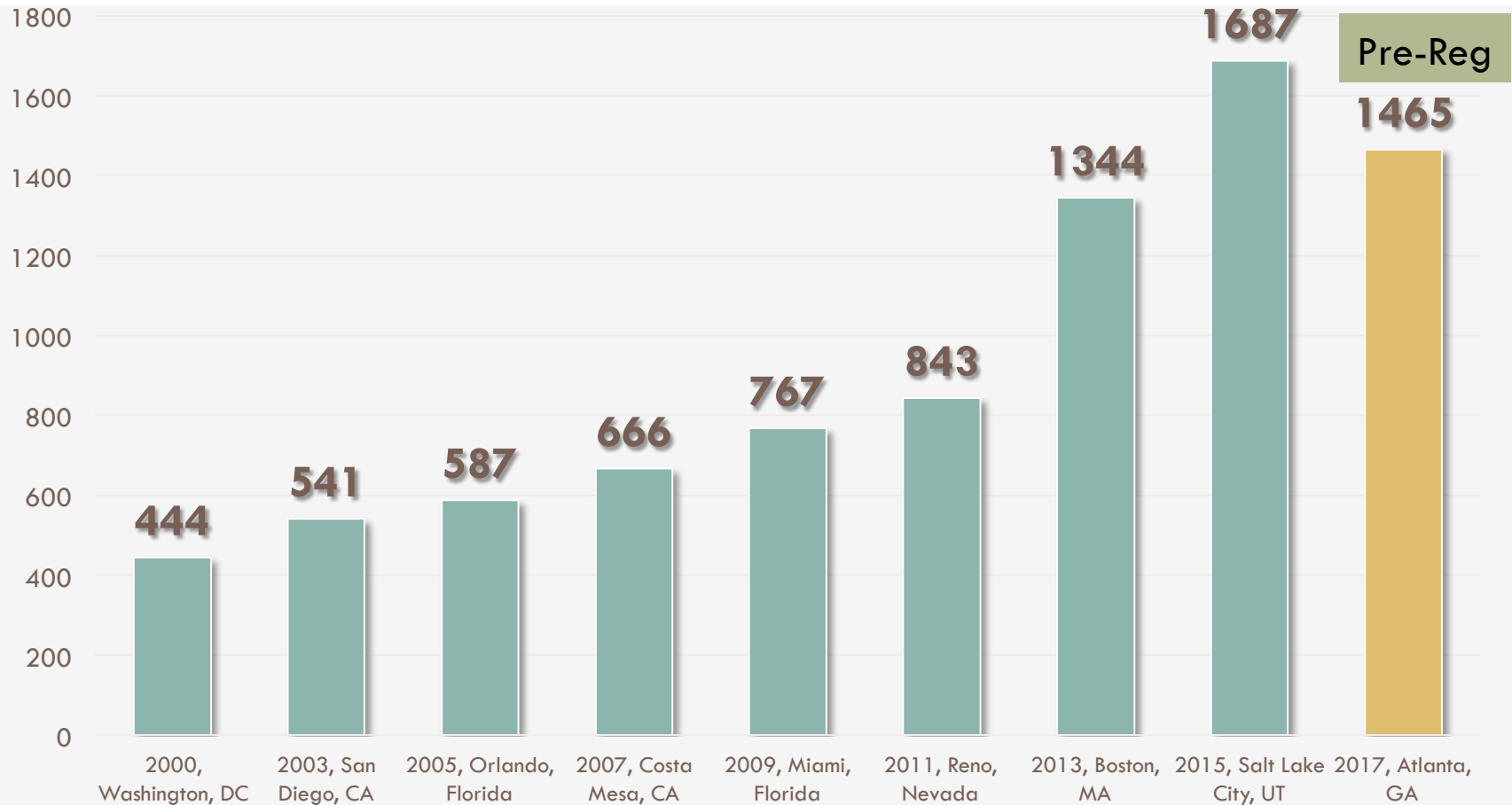
Class of 2015

- 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



	# of parallel sessions	Minisymposia Sessions	Contributed Lectures	Contributed Posters	Comps	Students	Total Reg		
Salt Lake City, UT	26	304	130	285	76	223	1421	1687	
Atlanta, GA	32	327	164	333	75	315	1465		
		(16 Eposter; 66 minisymposia)						(prelim)	

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

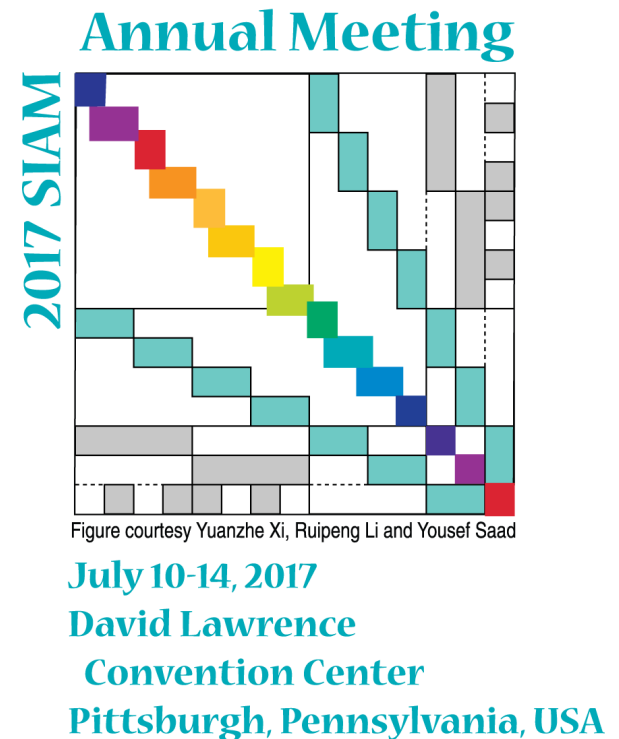
David Lawrence Convention Center (DLCC)
Pittsburgh, PA, USA

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)



SIAM Annual Meeting 2018 (AN18)

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)

Other Conferences & Events

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 G²S³ proposals

- Full proposal due March 31, 2017

www.siam.org/students/g2s3

Join SIAM Today!

- 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!

SIAM Conference on
Computational Science

and Engineering

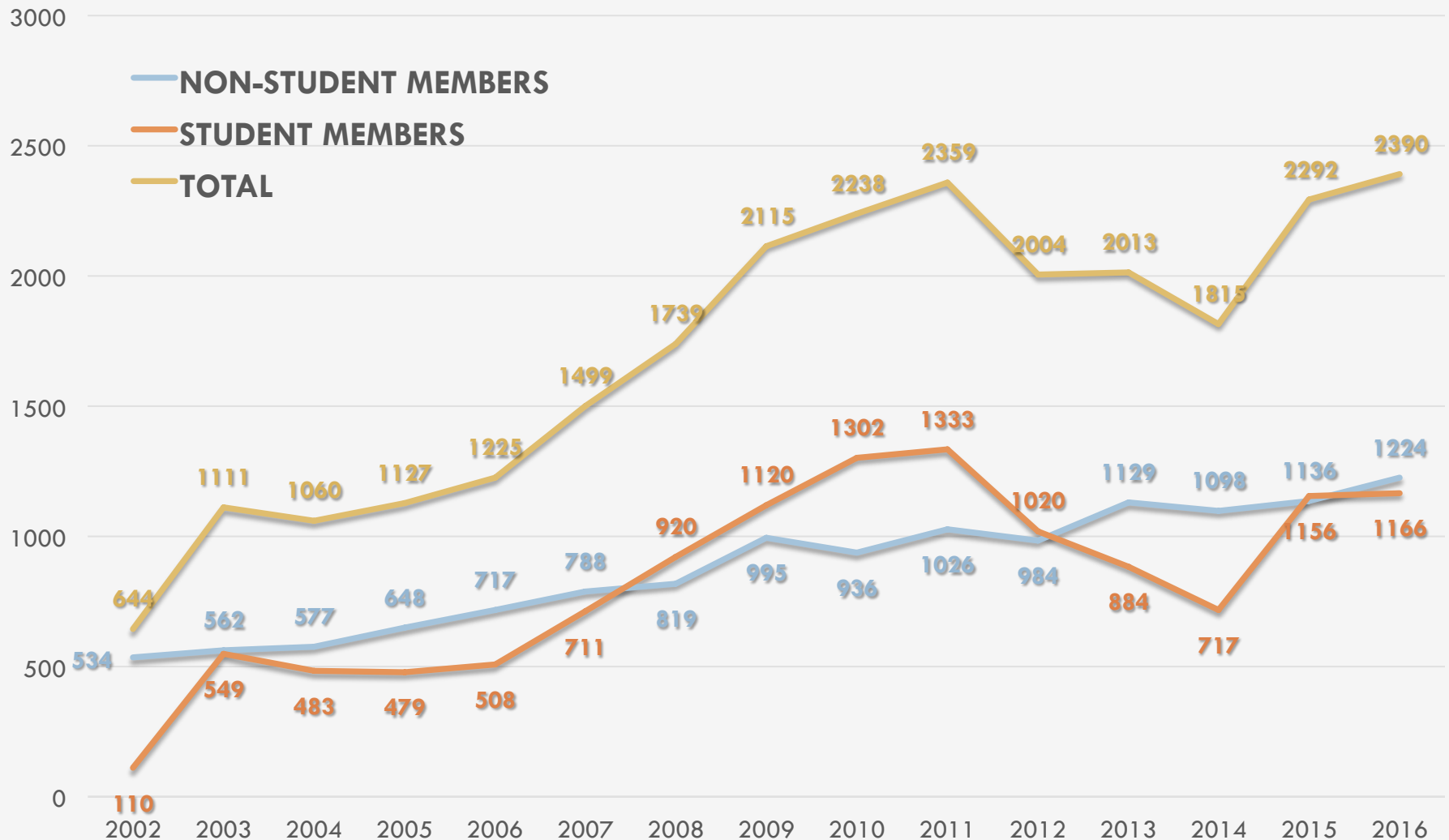


February 27-March 3, 2017
Hilton Atlanta, Atlanta, Georgia, USA

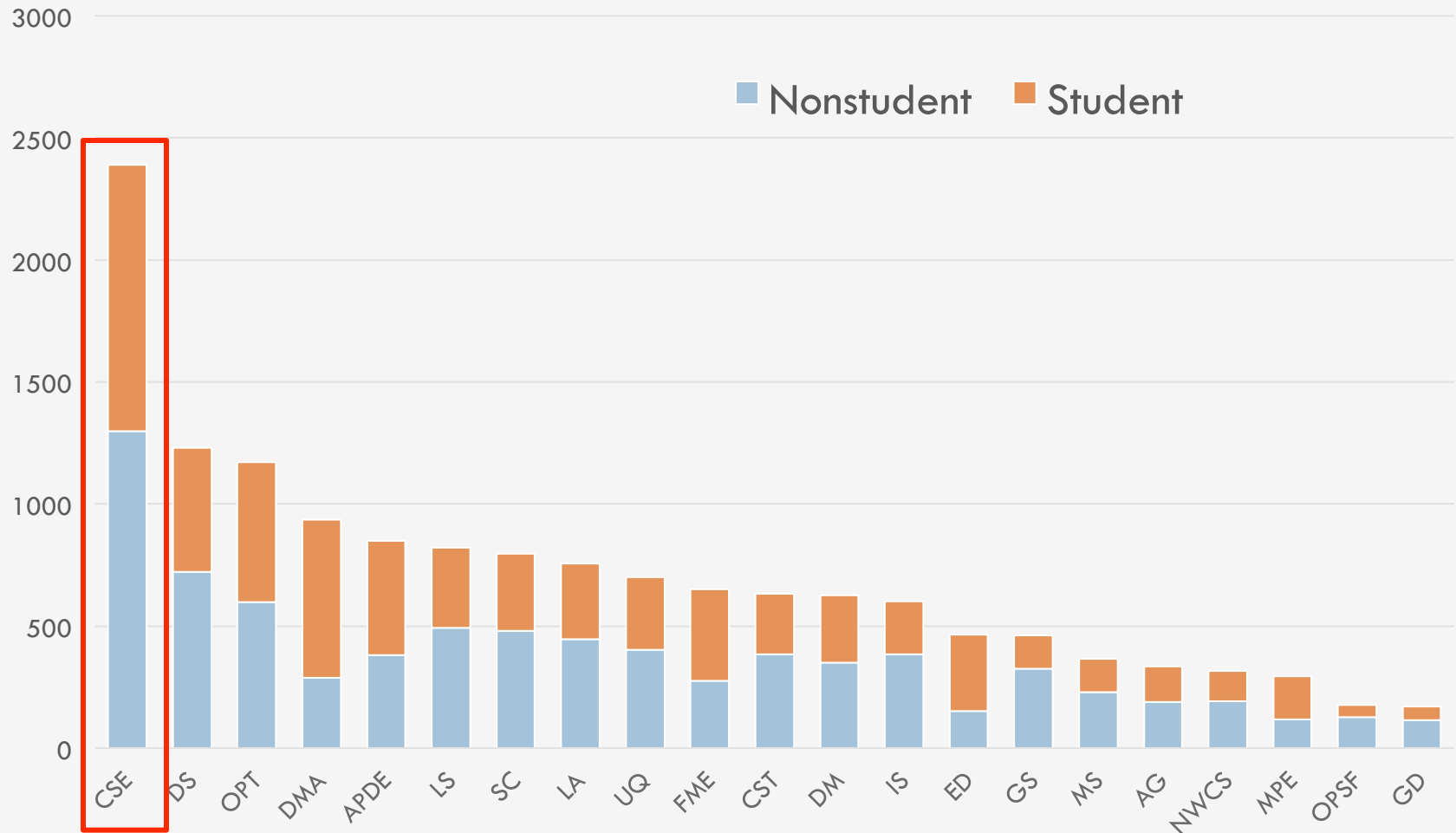
SIAG/CSE Membership Report

As of 12/31/2016

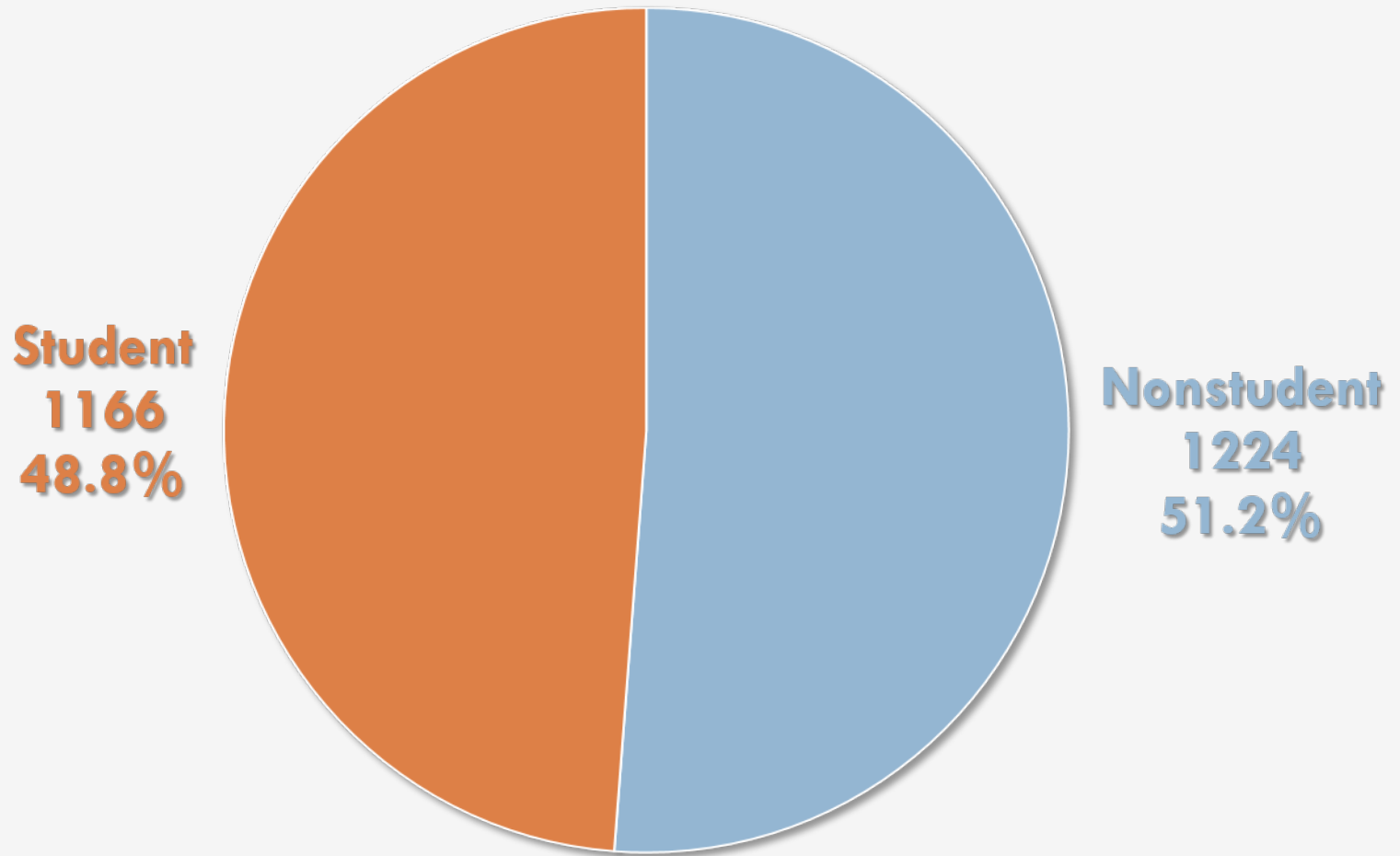
SIAG/CSE Membership History



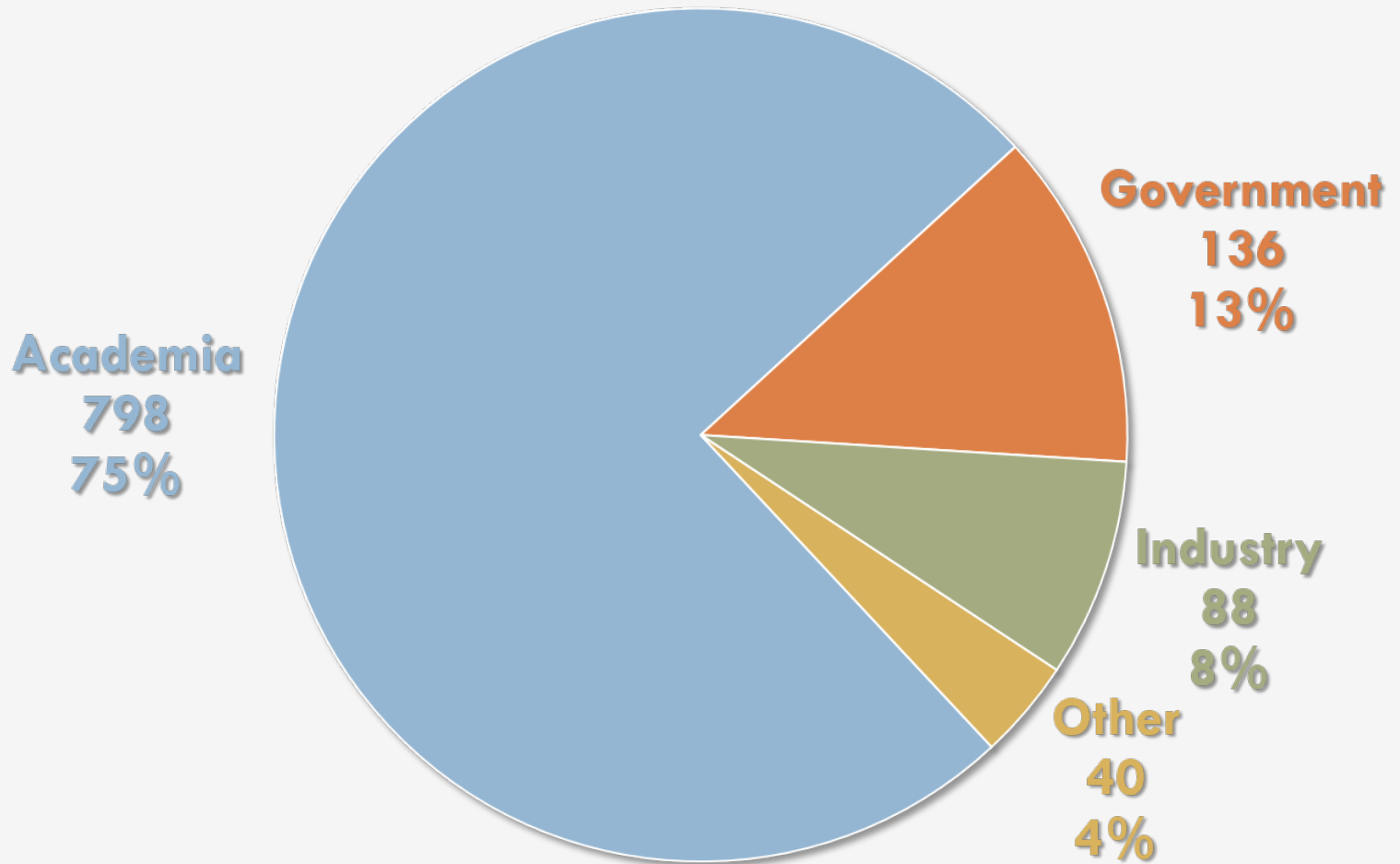
Overall SIAG Membership



SIAG/CSE Member Demographics

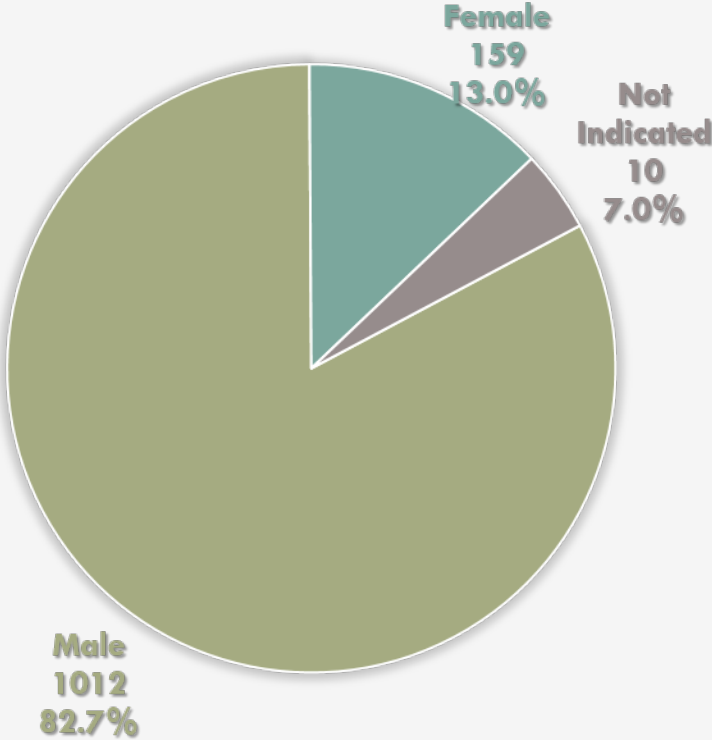


SIAG/CSE Members By Employer Type

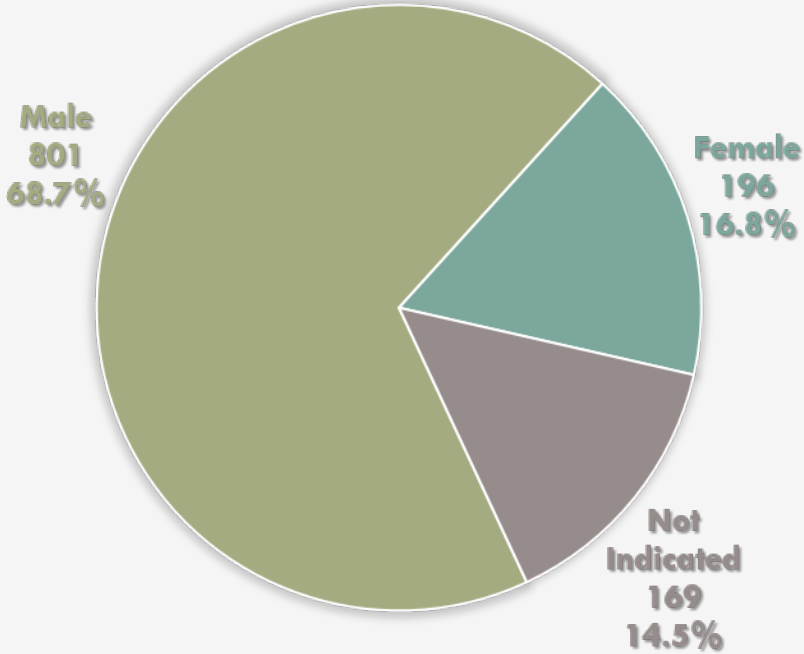


SIAG/CSE Membership by Gender

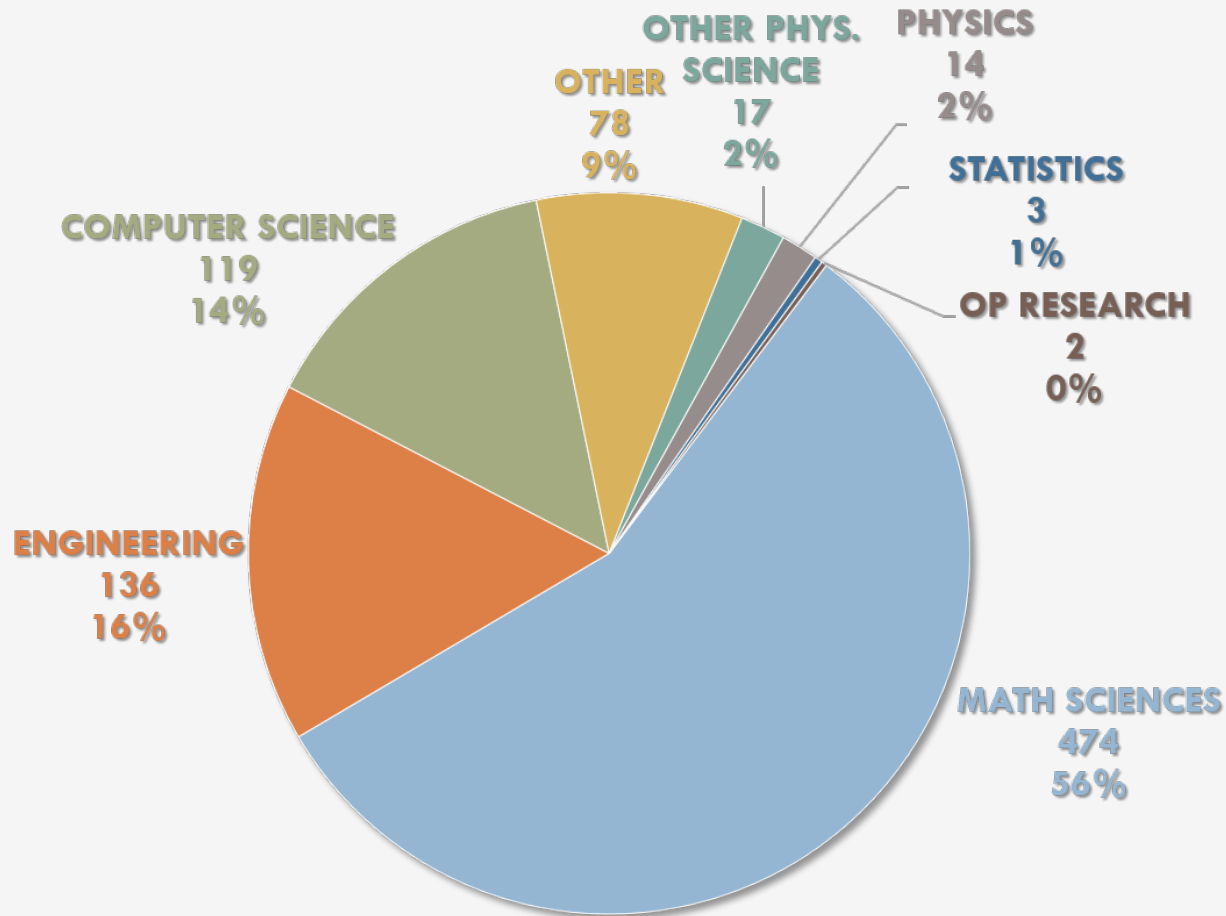
Non Students



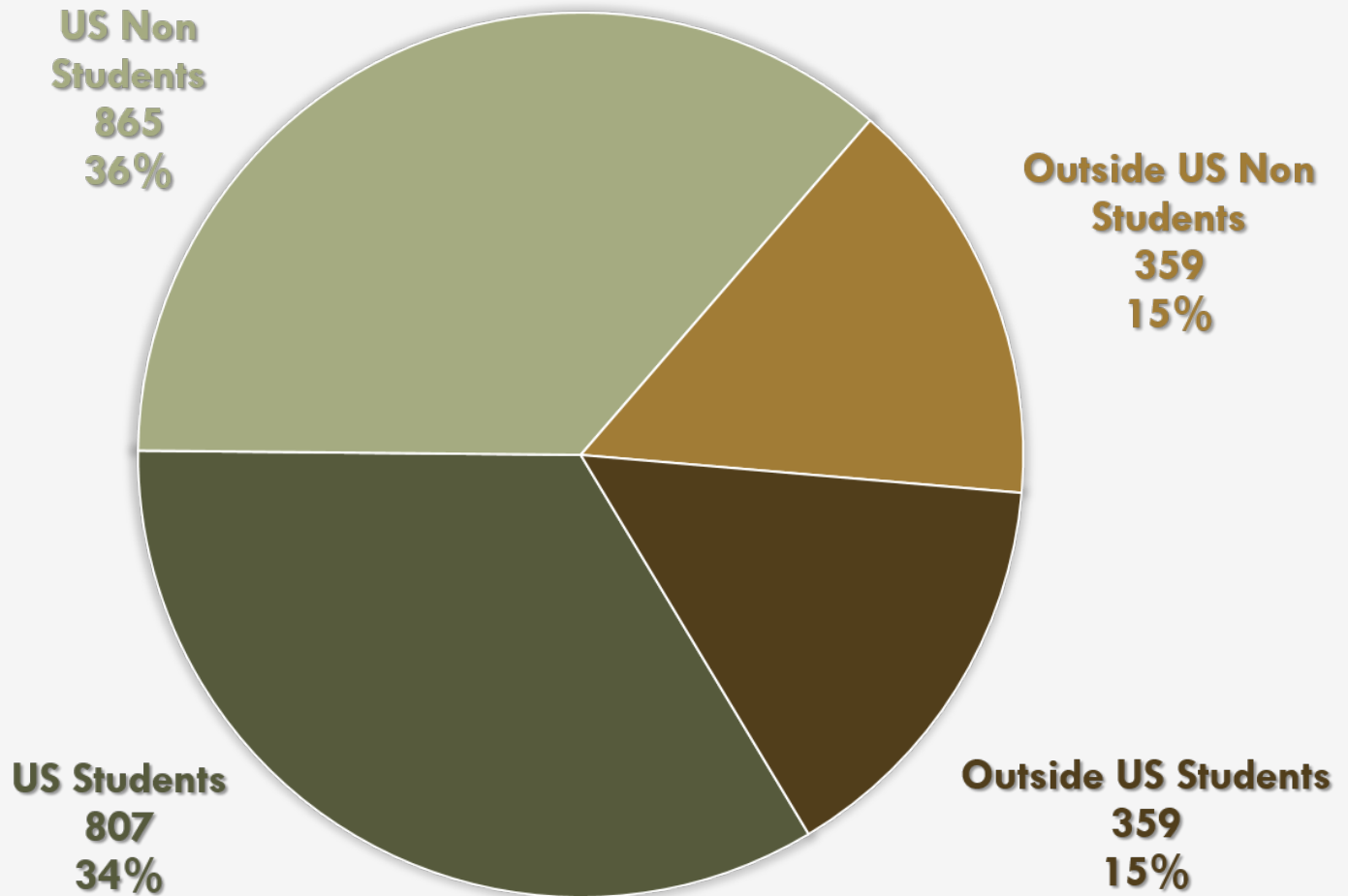
Students



SIAG/CSE Departments



SIAG/CSE Members By Geography



SIAG/CSE17 Business Meeting

our communication channels

- SIAG/CSE electronic mail list: siam-cse@siam.org
- SIAG/CSE website: <http://siags.siam.org/activity/cse>
- SIAG/CSE wiki site:
http://wiki.siam.org/siag-cse/index.php/Main_Page
- *SIAM News*: Story Ideas – Paul Constantine
(representative of SIAG/CSE)
- SIAM Blogs

SIAG/CSE Future Plans

- 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))

SIAG/CSE Future Plans



- Possible New Initiatives?
 2. SIAG best paper prize in CSE (or mid-career prize)?

SIAG/CSE Future Plans

- 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)

SIAG/CSE Future Plans

- 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

SIAG/CSE Contacts

Chair:	Hans De Sterck <u>Hans.DeSterck@Monash.edu</u>
Vice Chair:	Lorena A. Barba <u>labarba@gwu.edu</u>
Program Director:	Suzanne Shontz <u>shontz@ku.edu</u>
Secretary:	Karen D Devine <u>kddevin@sandia.gov</u>