

2023 SIAG/CSE

SIAM Conference on Computational Science and Engineering

Computational Science and Engineering
Activity Group Business Meeting

Tuesday, February 28th, 6:00 - 7:00 pm CEST
Emerald Room
RAI Congress Center
Amsterdam, The Netherlands



2023 SIAG/CSE BUSINESS MEETING

SIAG/CSE Officers

Chair:

Judith Hill

*

Vice Chair:

Philipp Birken

*

Program Director:

Edmond Chow

*

Secretary:

Sara Pollock

SIAG/CSE Thank you to all 2021/2022 Officers

Thank you!

Chair:

Stefan Wild

*

Vice Chair:

Jeff Hammond

*

Program Director:

Judith Hill

*

Secretary:

Tan Bui-Thanh

SIAG/CSE Conference 2023

Organizing Committee Co-Chairs

Karen Devine, Sandia National Laboratories, US

Dirk Hartmann, Siemens Industry Software, Germany

Wil Schilders, Eindhoven University of Technology, The Netherlands



Organizing Committee

Wolfgang Bangerth, Colorado State University, U.S.

Erin Carson, Charles University, Czech Republic

Tiangang Cui, Monash University, Australia

Kate Evans, Oak Ridge National Laboratory, U.S.

David Gleich, Purdue University, U.S.

Zoltán Horváth, Eötvös Loránd University, Hungary

Alicia Klinvex, Naval Nuclear Laboratory, U.S.

Sarah Knepper, Intel, U.S.

Natasa Krejic, University of Novi Sad, Serbia

Stefan Kurz, Bosch, Germany

Jeffrey Sachs, Merck & Co., Inc., Rahway, NJ, U.S.

Hans De Sterck, University of Waterloo, Canada

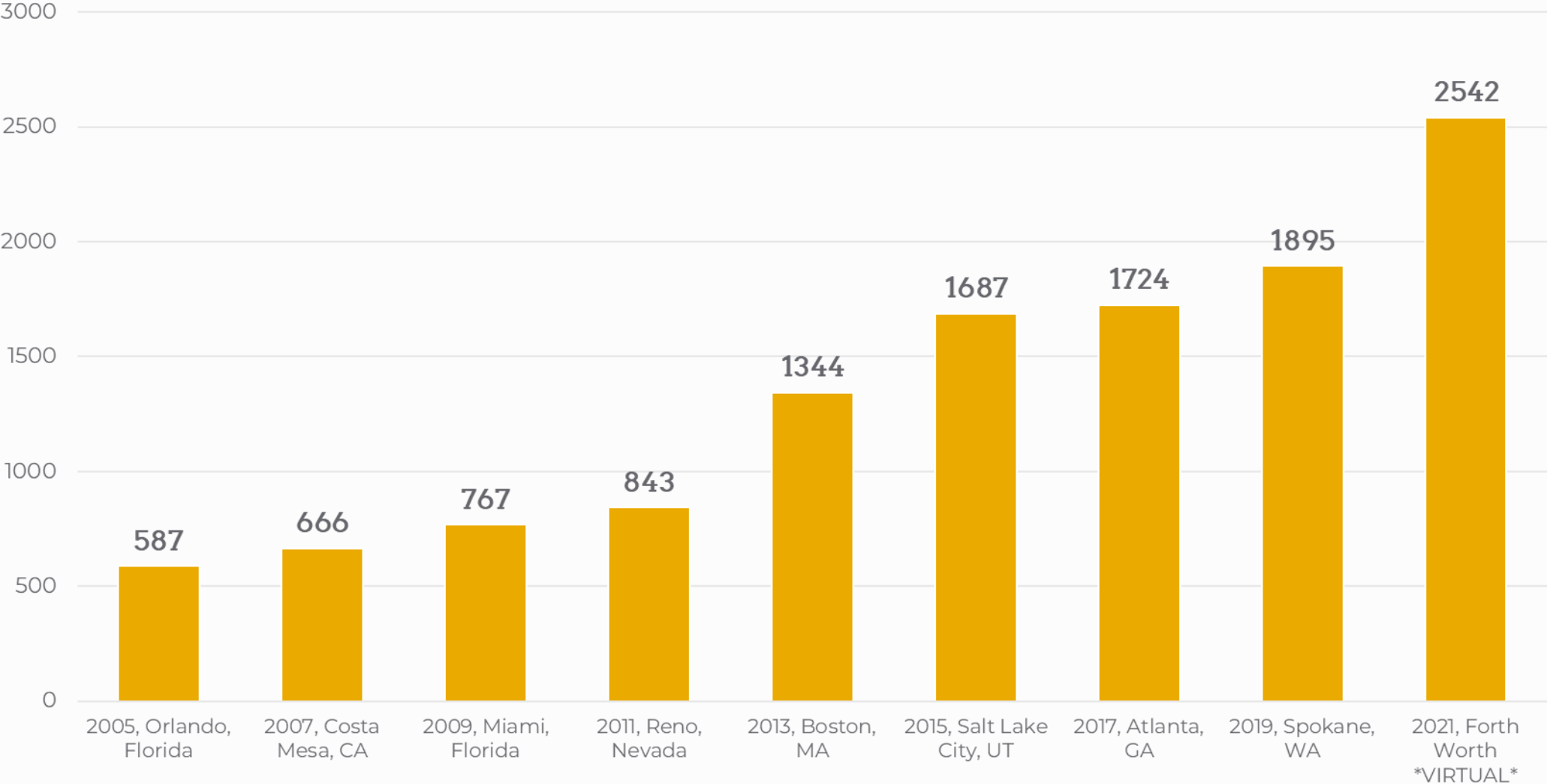
Kees Vuik, Delft University of Technology, Netherlands

Andrea Walther, Humboldt University of Berlin, Germany; GAMM

Thank
you!

SIAG/CSE Conference History

>2,000 people expected to register for CSE23



2023 SIAM Activity Group on Computational Science and Engineering Best Paper Prize

#SIAMCSE23

For their work in the 2021 *SIAM Review* paper
"Computing Spectral Measures of Self-Adjoint Operators"



Matthew J. Colbrook
University of Cambridge



Andrew Horning
Massachusetts Institute of
Technology



Alex Townsend
Cornell University



2023 SIAM Activity Group on Computational Science and Engineering Early Career Prize

#SIAMCSE23

For his contributions to the finite element exterior calculus,
particularly structure-preserving numerical algorithms for magnetohydrodynamics.



Kaibo Hu
University of Oxford



2023 James H. Wilkinson Prize for Numerical Software

#SIAMCSE23

For the development of BLIS, a portable open-source software framework that facilitates rapid instantiation of high-performance BLAS and BLAS-like operations targeting modern CPUs.



Devin A. Matthews
Southern Methodist University



Field G. Van Zee
The University of Texas at
Austin



SIAM/ACM Prize in Computational Science and Engineering #SIAMCSE23

Awarded to the SUNDIALS core development team for innovative research and development of nonlinear and differential/algebraic equation solvers for high-performance computing that provides unique, critical capabilities in the scientific software ecosystem.



Carol S. Woodward



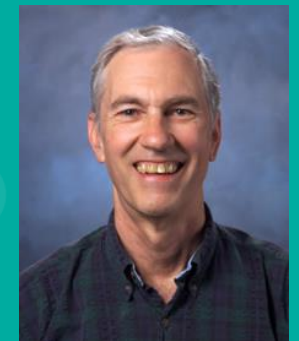
Cody J. Balos



Peter N. Brown



David J. Gardner



Alan C. Hindmarsh

Lawrence Livermore National Laboratory



Daniel R. Reynolds
Southern Methodist University



Radu Serban
University of Wisconsin



SIAG/CSE Thank you 2023 Prize Committees

Thank you!

SIAG/CSE Early Career Prize

Jeff Hammond (Chair), NVIDIA
David Bindel, Cornell University
Elizabeth Cherry, Georgia Tech
Laura Grigori, INRIA Paris
Robert Scheichl, Heidelberg University

SIAG/CSE Best Paper Prize

Tan Bui-Thanh (Chair), University of Texas
Ilse Ipsen, North Carolina State University
Daniel Kressner, EPF Lausaunne
Xiaoye (Sherry) Li, Lawrence Berkeley Lab
Abani Patra, Tufts University

SIAM/ACM Prize in CSE

Robert Schnabel (Chair), University of Colorado
Xiao-Chuan Cai, University of Macau
Ulrike Meier Yang, Lawrence Livermore National Lab

James H. Wilkinson Prize for Numerical Software

Robert Falgout (Chair), Lawrence Livermore National Lab
Ann Almgren, Lawrence Berkeley Lab
Andrew Knyazev, University of Colorado Denver
Haesun Park, Georgia Tech
Garth Wells, University of Cambridge

SIAG/CSE Conference 2025: Fort Worth

Organizing Committee Co-Chairs

David Bindel, Cornell University, US

Elizabeth Cherry, Georgia Institute of Technology, US

Judith Hill, Lawrence Livermore National Laboratory, US

March 2-7, 2025, Fort Worth Convention Center, Fort Worth, Texas, US

Call for participation planned for May, 2024: <https://www.siam.org/conferences/cm/conference/cse25>

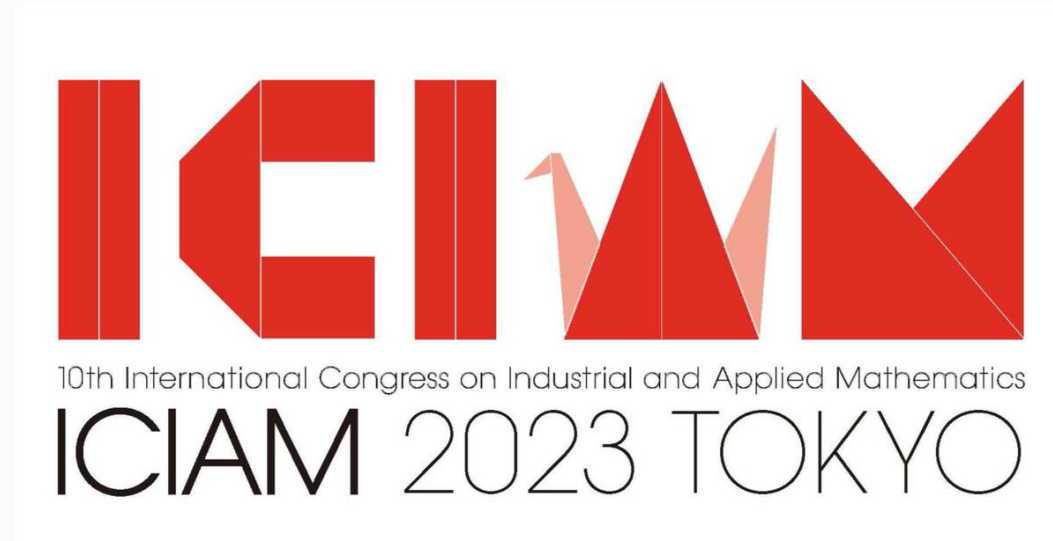
Future conferences?

LOCATION

DATES

THEMES

ICIAM 2023



The congress will take place at Waseda University, Tokyo, Japan from August 20-25, 2023.

SIAM is a member of the International Congress on Industrial and Applied Mathematics (ICIAM).

ICIAM 2023 is being organized by JSIAM (Japan Society for Industrial and Applied Mathematics) and MSJ (Mathematical Society of Japan), members of ICIAM.

<https://iciam2023.org/>

SIAG/CSE Announcements

- SIAM Engage:
 - <https://engage.siam.org/communities/siag-cse-home?CommunityKey=2ae89a07-dad8-4ead-8cc6-bf67efd6a05c>
- SIAG/CSE websites:
 - <https://www.siam.org/membership/activity-groups/detail/computational-science-and-engineering>
 - <https://siagcse.github.io/>
- SIAM News: Story Ideas
- SIAM Blogs
- SIAG/CSE Leadership Suggestion Form:
 - <https://www.siam.org/forms/siam-activity-group-leadership-form>

SIAG/CSE Fellows

Class of 2021

Edmond Chow
Robert Falgout
Jean-Luc Guermond
Per-Gunnar Martinsson
Kirsten Morris
Habib Najm

Class of 2022

James Crowley
Zlatko Drmac
Chen Greif
Daniel Kressner
Jose Nathan Kutz
Peter Monk
Houman Owhadi
Wil Schilders
Raymond Tuminaro
Hongkai Zhao

Join SIAM Today!

Benefits of SIAM Membership Include.....

- *SIAM Review* (Print & Electronic)
- *SIAM News* (Print)
- 30% Off SIAM Books
- \$15 / Activity Group Membership
- 20% - 30% Off Registrations
- 80% Off Journals (up to 4)
- 95% Off e-Access to Journals
- Spouse may join as Associate Member
- *SIAM Unwrapped*
- Vote in SIAM Elections
- Eligible to Hold Office
- Eligible for Committee Appointments
- Nominate SIAM Fellows
- Be Nominated as a SIAM Fellow
- Eligible for Group Insurance
- Nominate 2 Students for Free Membership
- Qualifying Student Members can join 2 SIAGs for *free!*

Nonmember attendees can save up to \$160 their 2023 membership!

2023 SIAG/CSE

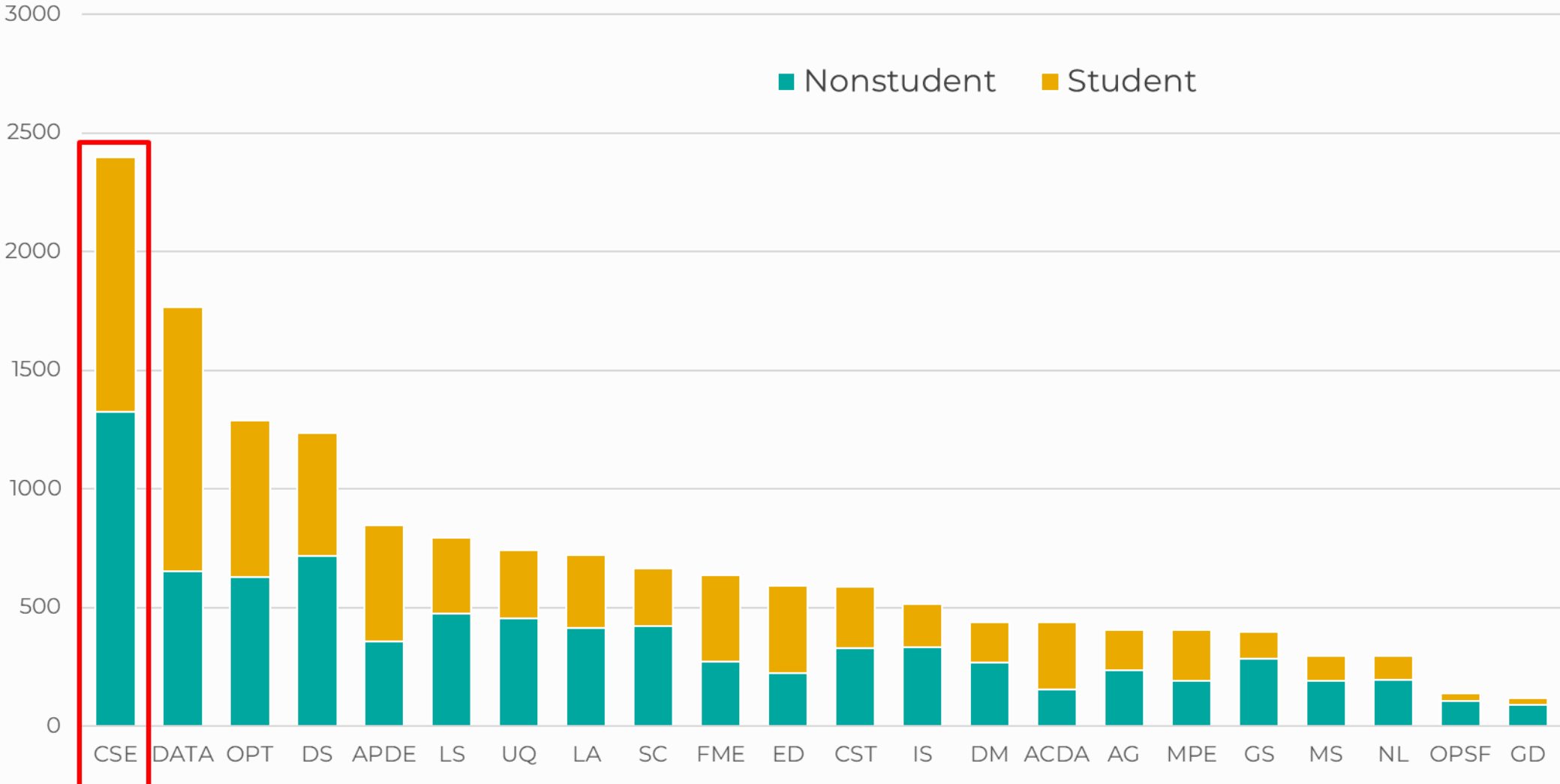
Membership Report

(data as of December 31, 2022)

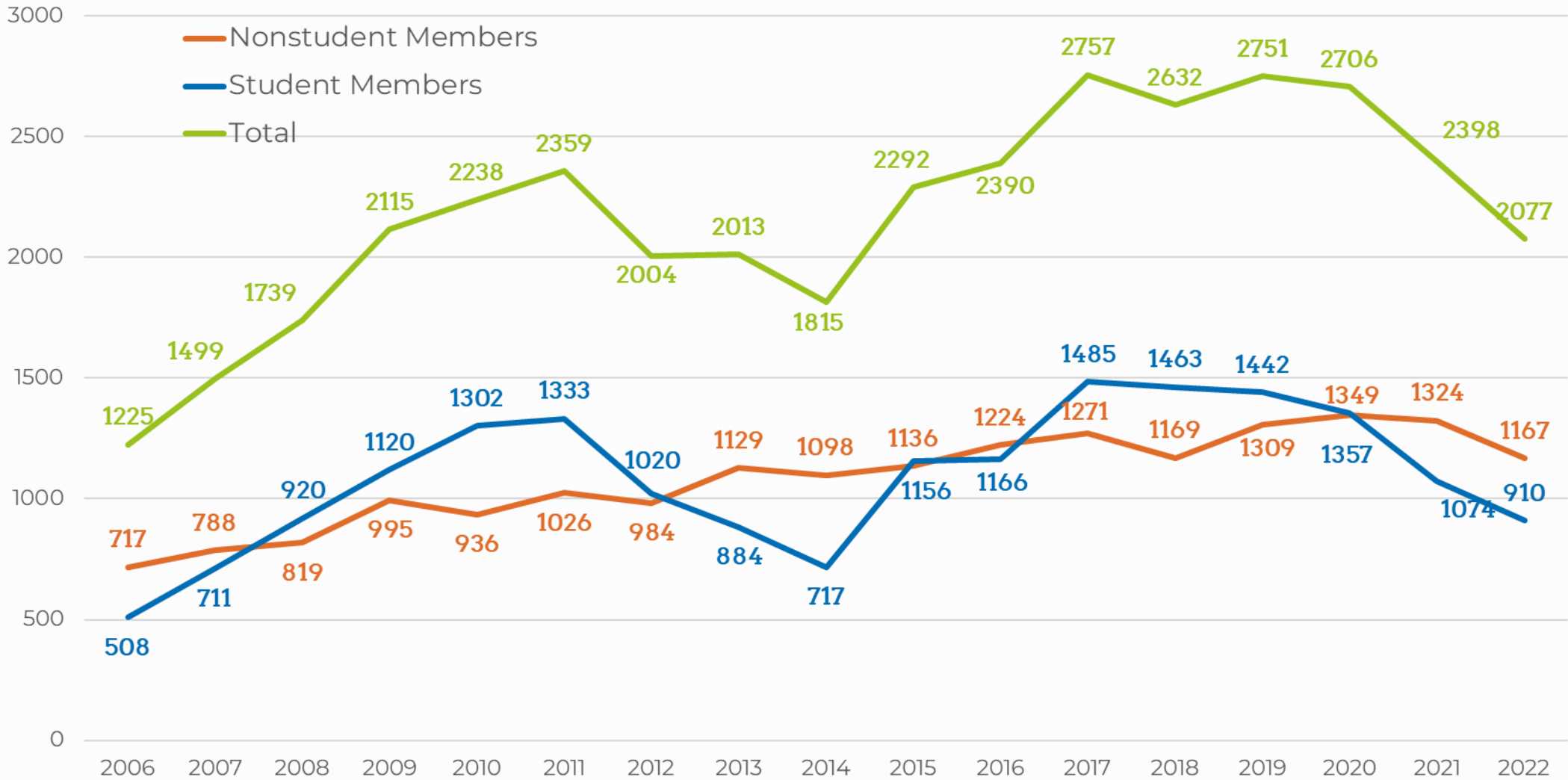


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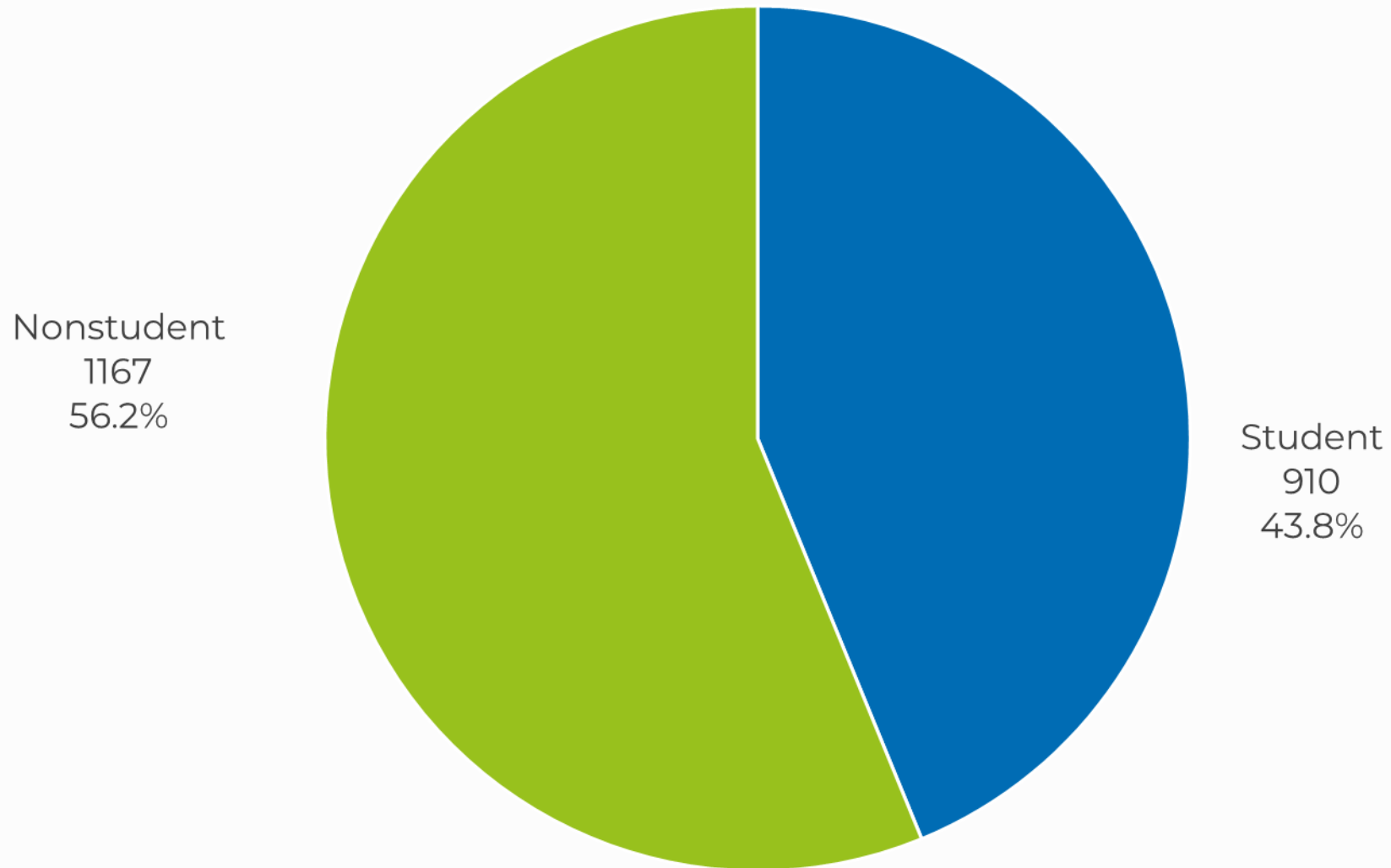
SIAG Overall Membership



SIAG/CSE Membership Demographics



SIAG/CSE Membership Demographics

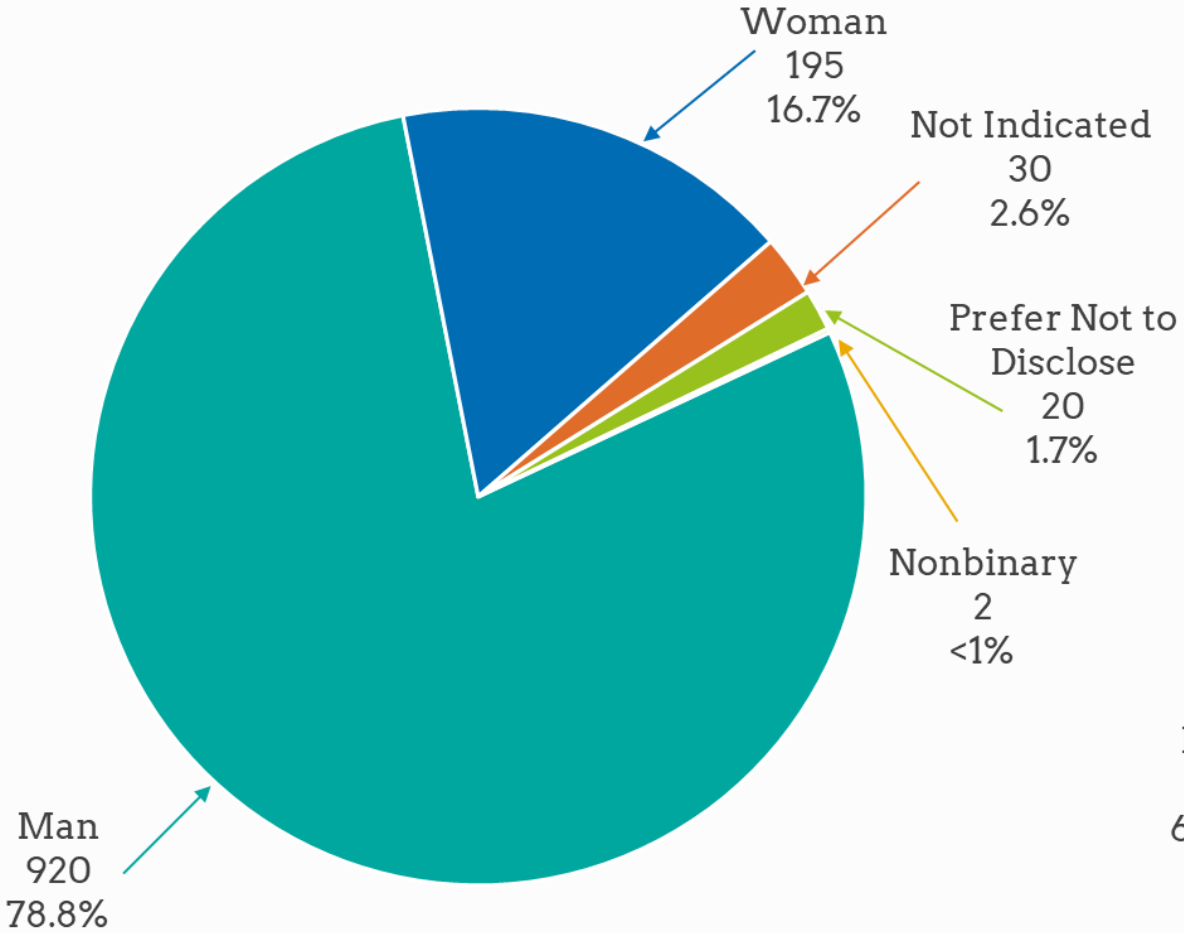


SIAG/CSE Membership by Geography

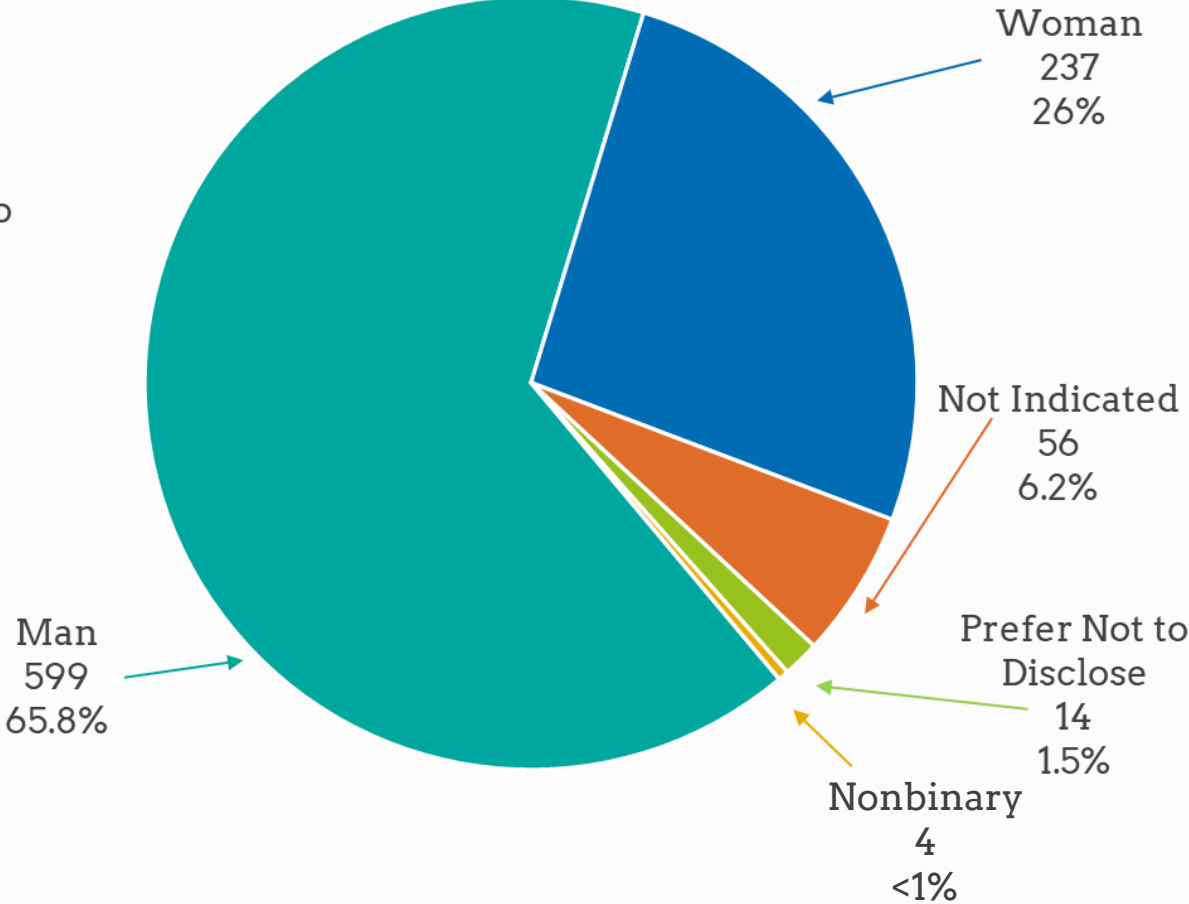
	US		Non-US		Total	
Nonstudent	813	39%	354	17%	1167	56%
Student	598	29%	312	15%	910	44%
Total	1411	68%	666	32%	2077	

SIAG/CSE Membership by Gender

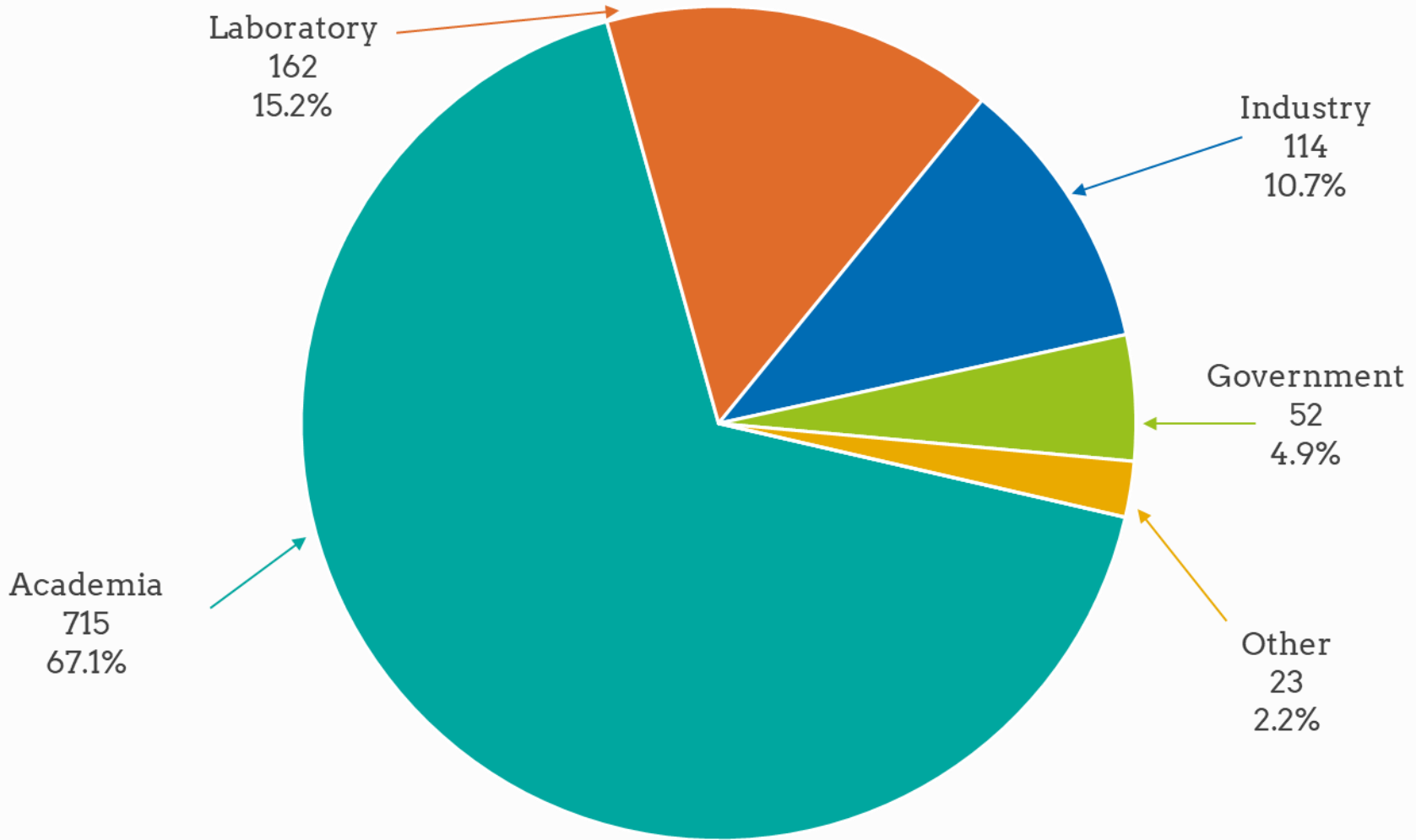
Nonstudents



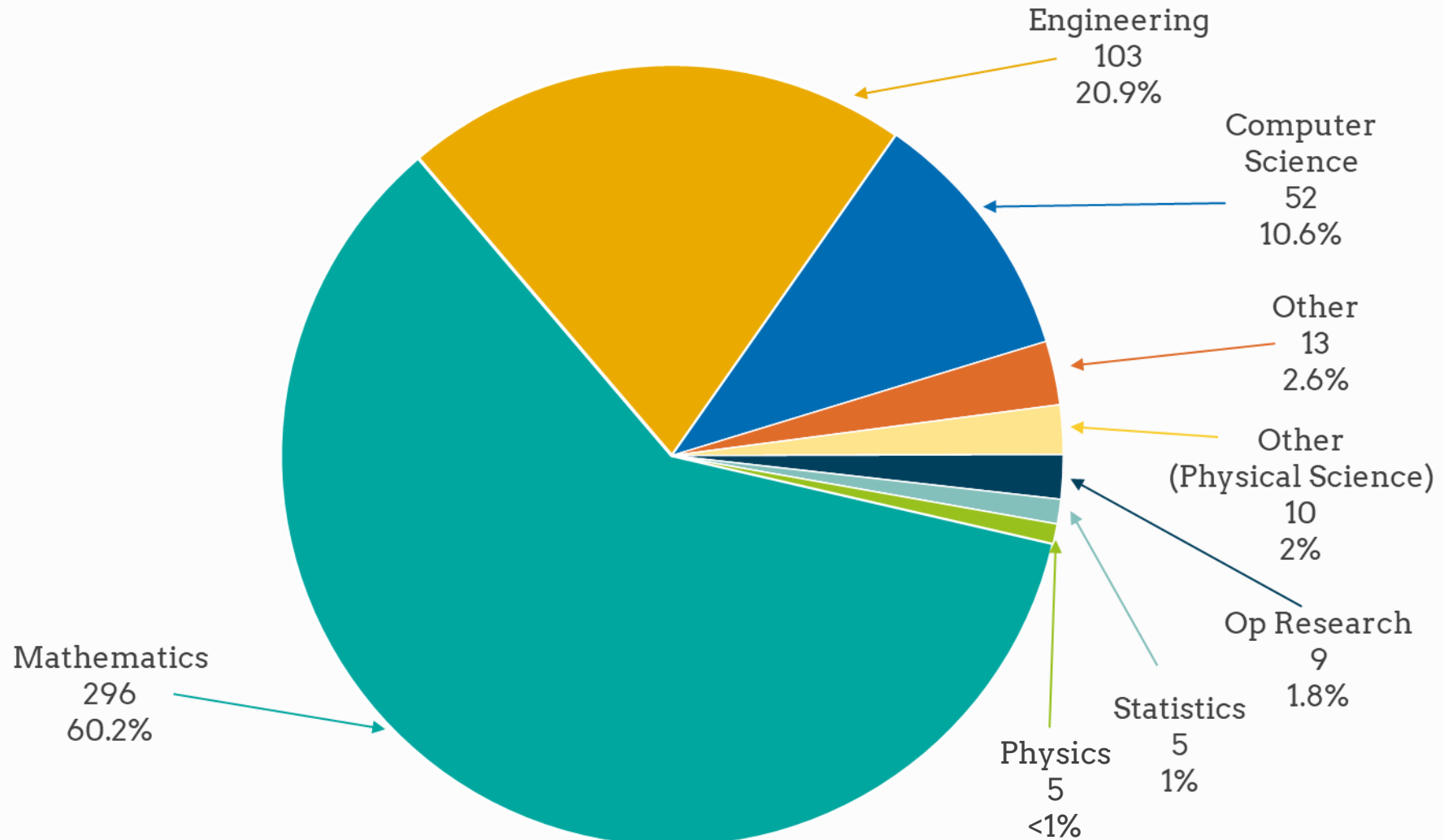
Students



SIAG/CSE Membership by Employer Type



SIAG/CSE Membership by Department Type



Other Business

Contacts

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echow@cc.gatech.edu

Secretary Sara Pollock
s.pollock@ufl.edu



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