

2024 SIAG/MS

SIAM Conference on Mathematical Aspects of Material Science Business Meeting

Wednesday, May 22nd at 5pm, in Grand Station Ballroom 1-2

2024 SIAG/MS BUSINESS MEETING

SIAG/MS Officers

Chair:

Irene Fonseca

*

Vice Chair:

Carlos Garcia-Cervera

*

Program Director:

Kaushik Dayal

*

Secretary:

Miranda Holmes-Cerfon

SIAG/MS Announcements

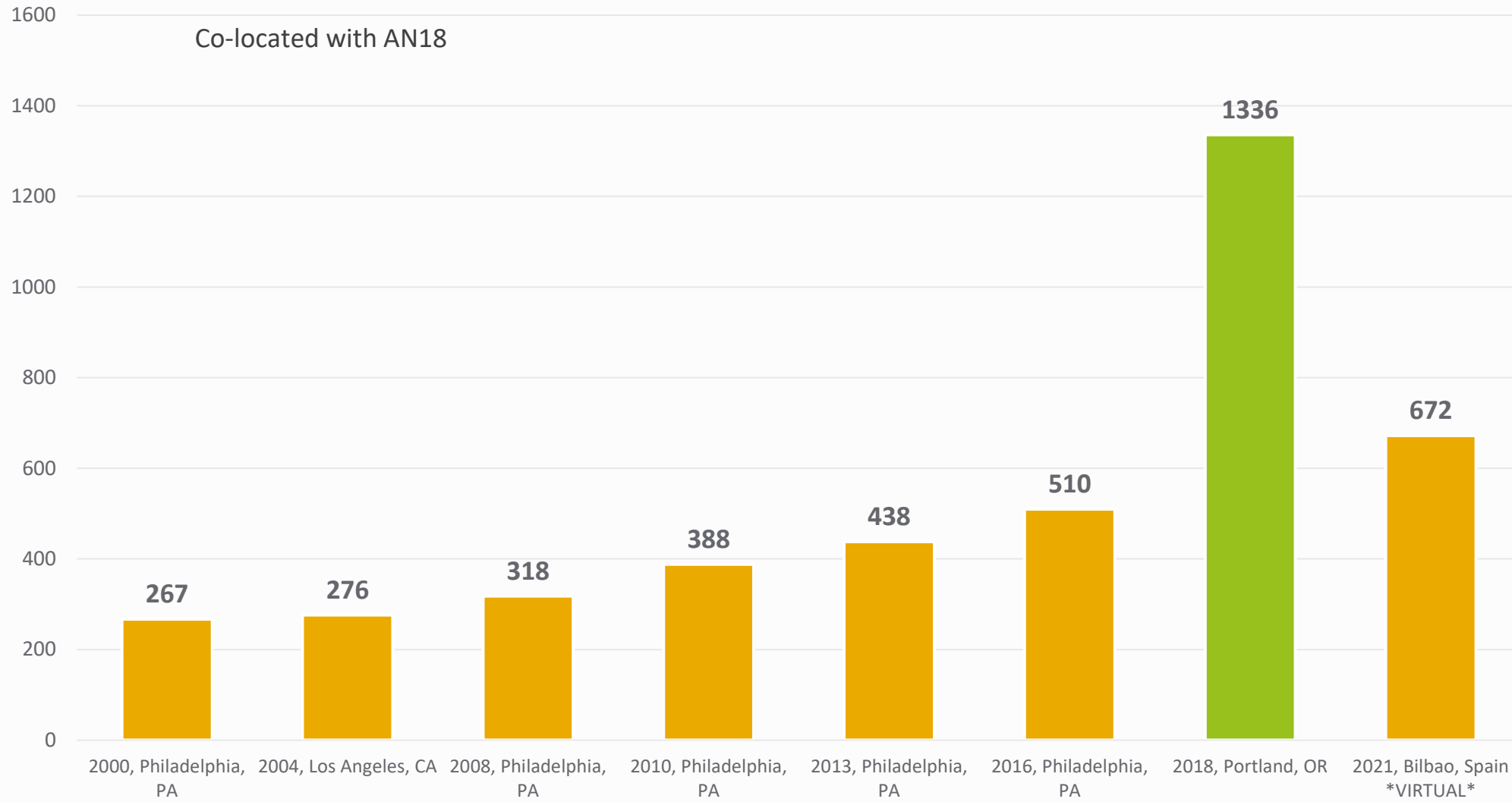
- SIAM Engage
- SIAG/MS website:
 - <https://www.siam.org/membership/activity-groups/detail/mathematical-aspects-of-materials-science>
 - SIAM News: Story Ideas
- SIAM Blogs
- SIAG/MS Leadership Suggestion Form:
 - <https://www.siam.org/forms/siam-activity-group-leadership-form>

SIAG/MS Fellows

Class of 2024

Chao Yang

SIAG/MS Conference History



SIAG/MS Conference 2024

Organizing Committee Co-Chairs

Kaushik Dayal, Carnegie Mellon University, U.S.

Petronela Radu, University of Nebraska Lincoln, U.S.

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Organizing Committee

Irene Arias, Universitat Politècnica de Catalunya, Spain

Philip Buskohl, Air Force Research Laboratory, U.S.

Yekaterina Epshteyn, University of Utah, U.S.

Marisol Koslowski, Purdue University, U.S.

Carolin Kreisbeck, Catholic University of Eichstaett-Ingolstadt, Germany

Yash Kulkarni, University of Houston, U.S.

Apala Majumdar, University Strathclyde, United Kingdom

Tadele Mengesha, University Tennessee, Knoxville, U.S.

Pablo Seleson, Oak Ridge National Laboratory, U.S.

Olaf Weckner, Boeing, U.S.

Prizes

The Ericksen Prize

By initiative of John Ball, Kaushik Bhattacharya (initial officer of this SIAG, 2010), Irene Fonseca (initial officer of this SIAG, 2010), and Richard James, in 2021 SIAM established the Jerald L. Ericksen prize

- Awarded every 5 years for research in the preceding fifteen years, and will first be awarded in 2025.
- For the original formulation of a mathematical theory of a significant scientific or engineering problem. The prize may recognize either a formulation that enables the application of deep mathematical ideas, or a formulation that raises new questions in mathematics.

The initial funds for this award were contributed by the students, friends, colleagues, and family of Jerald Ericksen in recognition of his fundamental contributions to the development of mathematical and continuum theories of nonlinear elasticity, liquid crystals, non-Newtonian fluids and crystalline solids, in admiration for his ability to bring to bear deep and abstract mathematical ideas to physical phenomena, and in deep appreciation for his encouragement, mentorship, and generosity.

siam 2024 | Annual Meeting

July 8th – July 12th, 2024
Spokane Convention Center
Spokane, Washington, U.S.



The Annual Meeting provides a broad view of the state of the art in applied mathematics, computational and data science, and their applications through invited presentations, prize lectures, minitutorials, minisymposia, contributed presentations, and posters.

The 2024 online component will take place July 18th-20th

Organizing Committee Co-Chairs

Michael P. Friedlander, University of British Columbia, Canada

Anna Mazzucato, Pennsylvania State University, U.S.

Annual Meeting

July 8th – July 12th, 2024
Spokane Convention Center
Spokane, Washington, U.S.

Held Jointly with:

- SIAM Conference on Discrete Mathematics (DM24)
- SIAM Conference on Applied Mathematics in Education (ED24)

Tracks of Sessions by SIAM SIAGs:

- Dynamical Systems

Registration Deadline:

- June 10th, 2024

Hotel Registration Deadline:

- June 10th, 2024

Travel Fund Application Deadline:

- April 8th, 2024

- *Online component July 18th-20th*

More information available at:

<https://www.siam.org/conferences/cm/conference/an24>

Gene Golub SIAM Summer School

Iterative and Randomized Methods for Large-Scale Inverse Problems

July 22nd - August 2nd 2024

Campus of the Escuela Politécnica Nacional, Ladrón de Guevara E11-253, Quito, Ecuador.

Our Summer School will enable students to learn state-of-the-art mathematical and statistical tools to discover information hidden within large-scale data sets and solve complex inverse problems. Through hands-on experience with techniques from Randomized Numerical Linear Algebra, data assimilation, iterative algorithms, and inverse problems we will offer students a two-week summer school to learn this valuable range of computational mathematics topics.



SIAM will be accepting proposals for the 2026 school in the fall, with a deadline of January 31, 2025.

For more information visit: <https://www.siam.org/students-education/programs-initiatives/gene-golub-siam-summer-school>

SIAM Journals

SIAM's 18 journals are all available for download on SIAM's virtual library, epubs.siam.org. SIAM's virtual library is the definitive source for the final, peer-reviewed version of every published article, so be sure to utilize it!

*Questions about using epubs.siam.org?
Contact sales@siam.org for a user guide
and personal assistance!*



Future conferences?

LOCATION

TIMING

PROGRAM COMMITTEE

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!*
- Siag membership free for one year

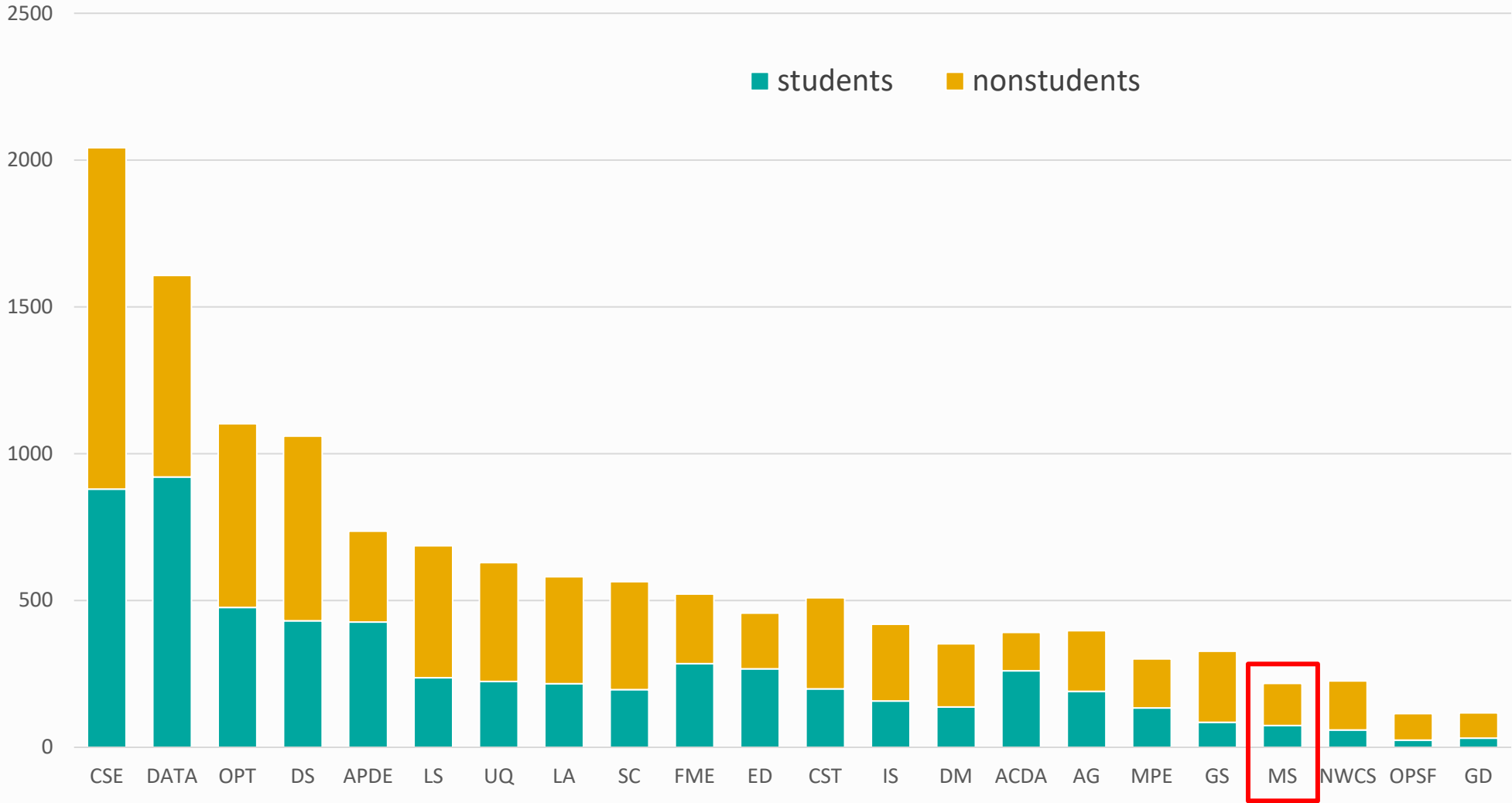
2024 SIAG/MS

Membership Report

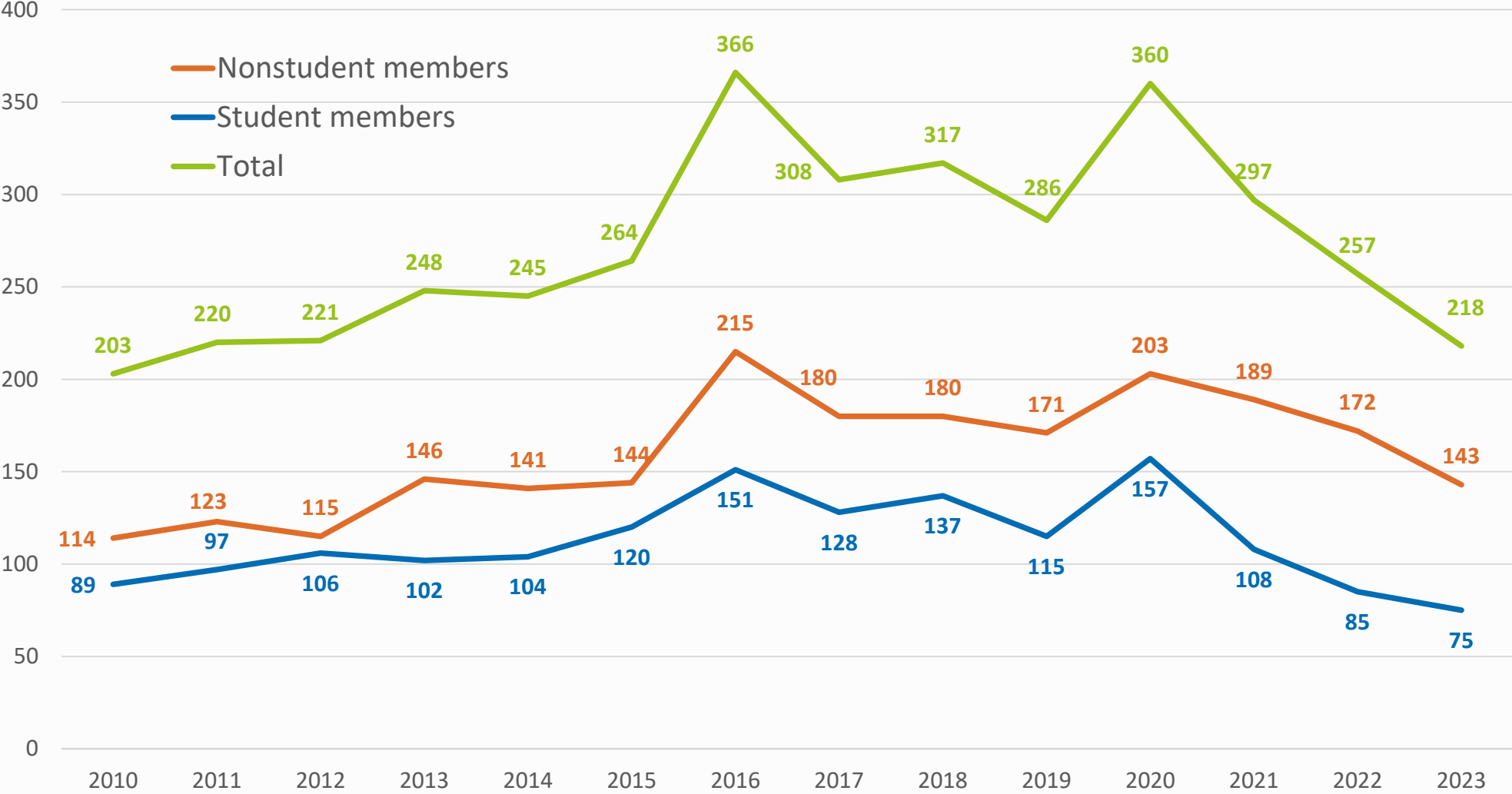
(data as of December 31, 2023)

2024 SIAG/MS BUSINESS MEETING

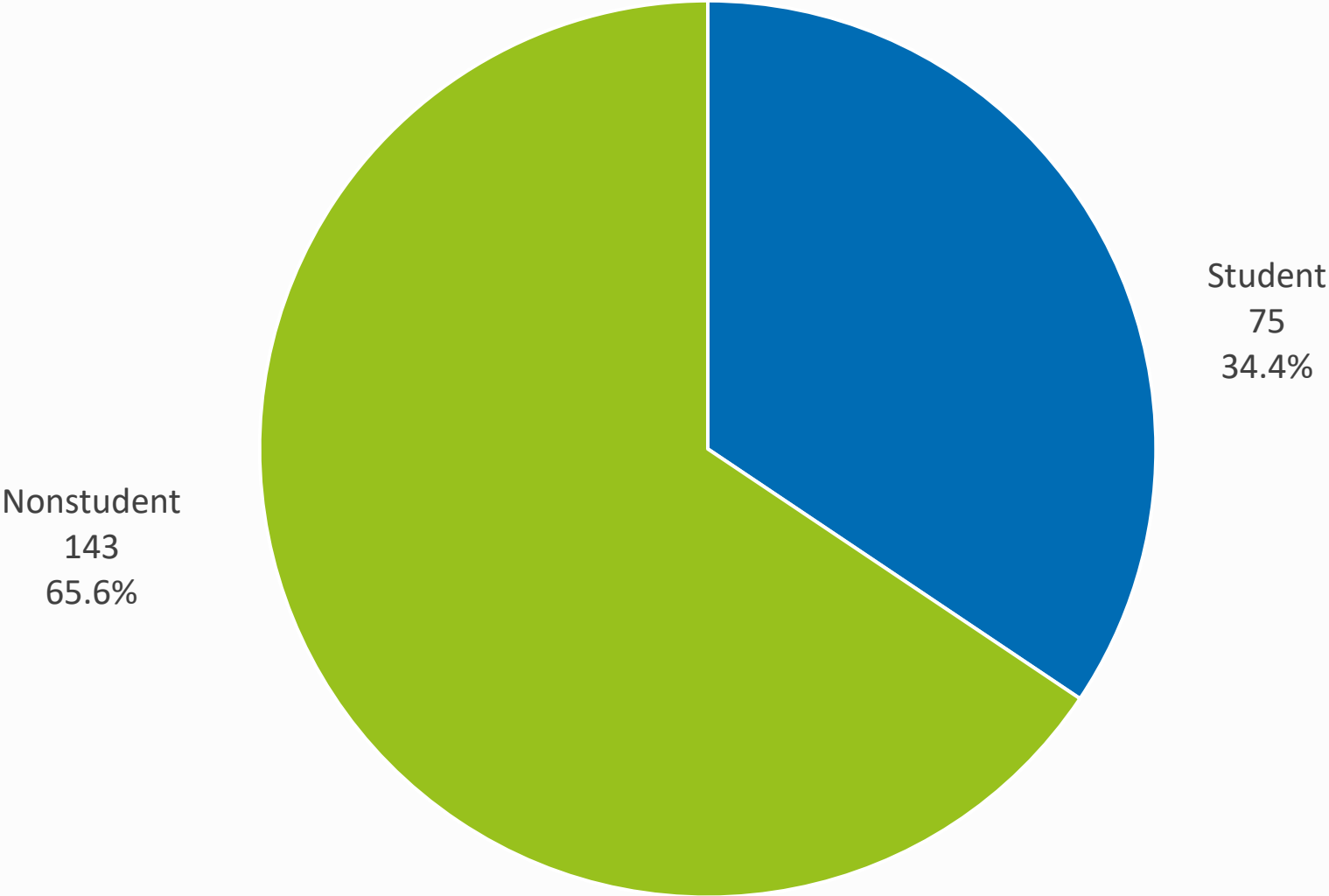
SIAG Overall Membership



SIAG/MS Membership Demographics



SIAG/MS Membership Demographics

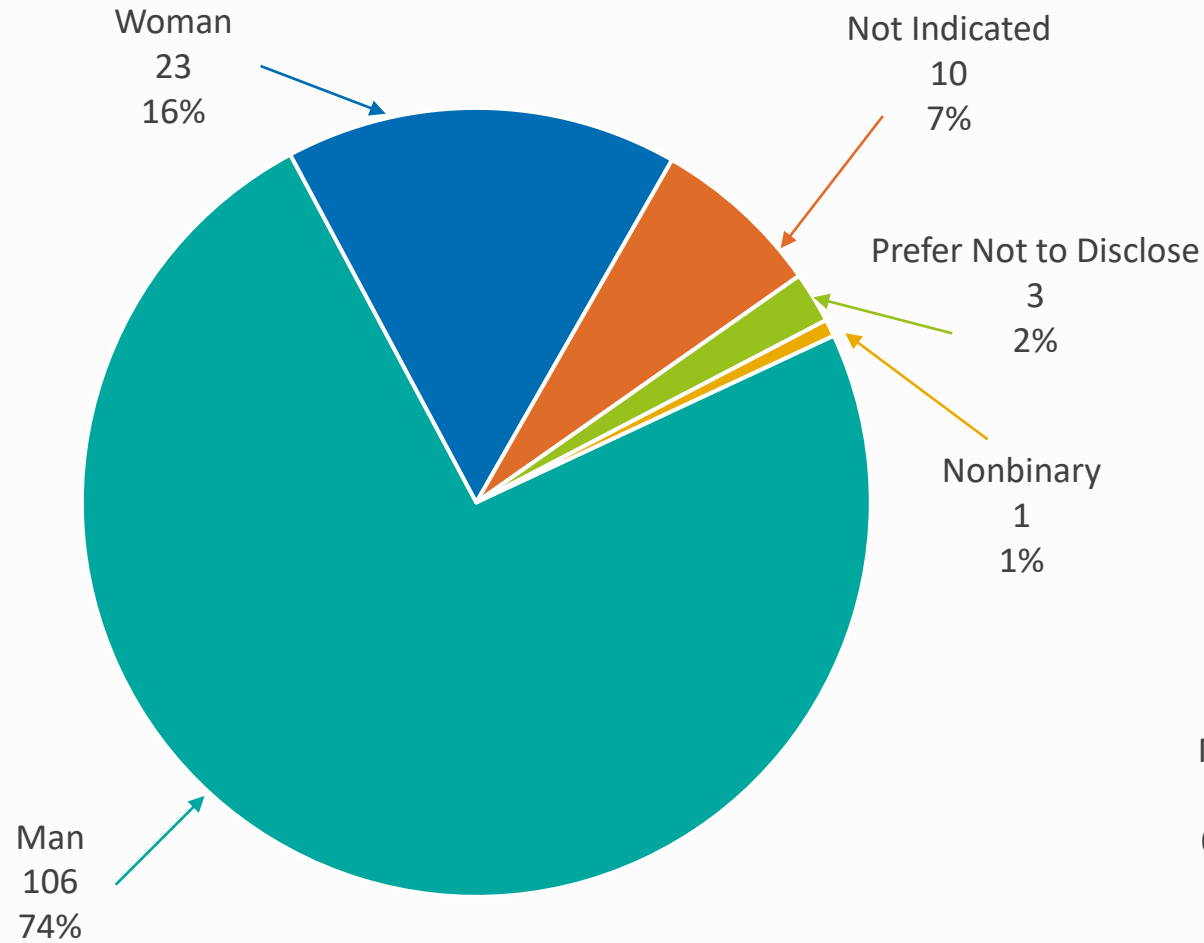


SIAG/MS Membership by Geography

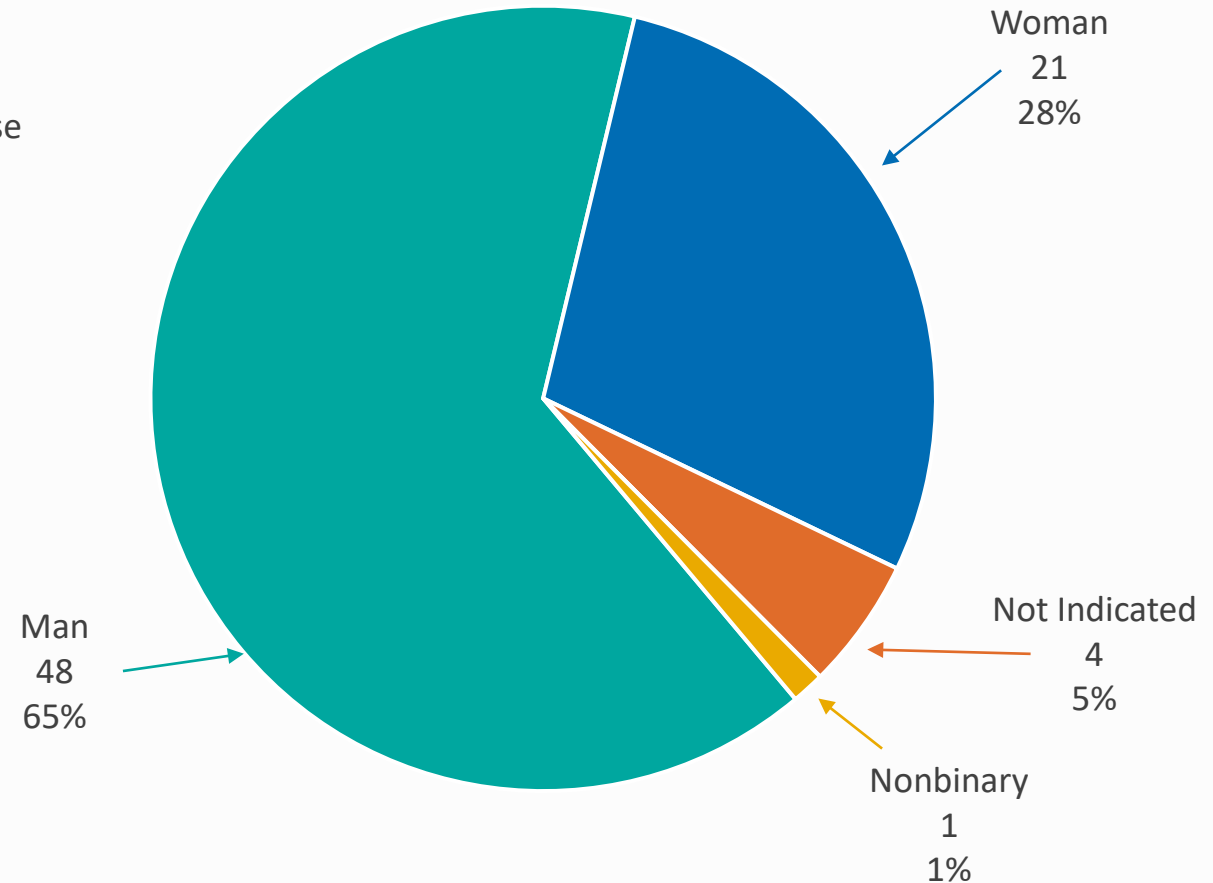
	US		Non-US		Total	
Nonstudent	102	47%	41	18%	143	65%
Student	45	21%	30	14%	75	35%
Total	147	68%	61	32%	218	

SIAG/MS Membership by Gender

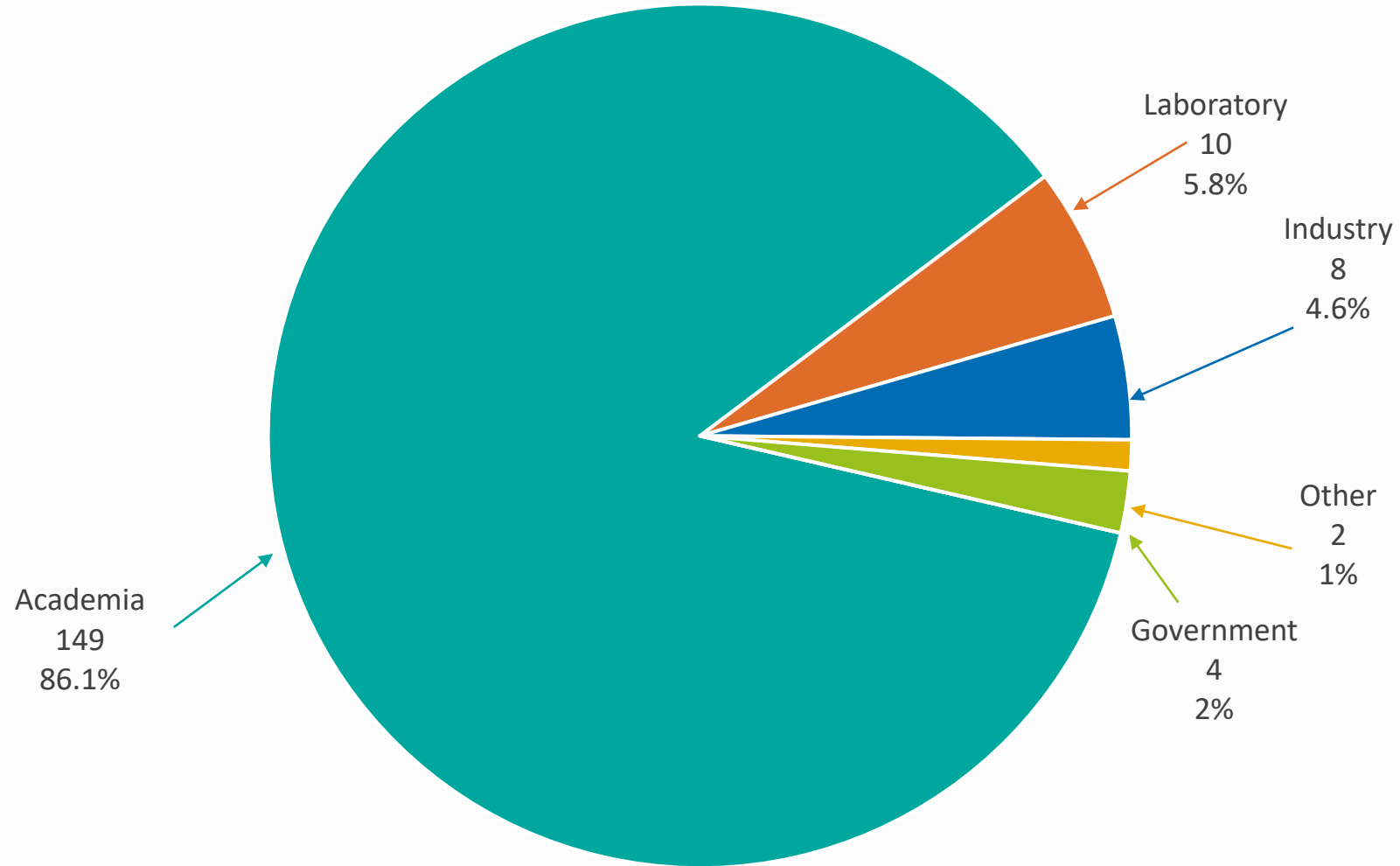
Nonstudents



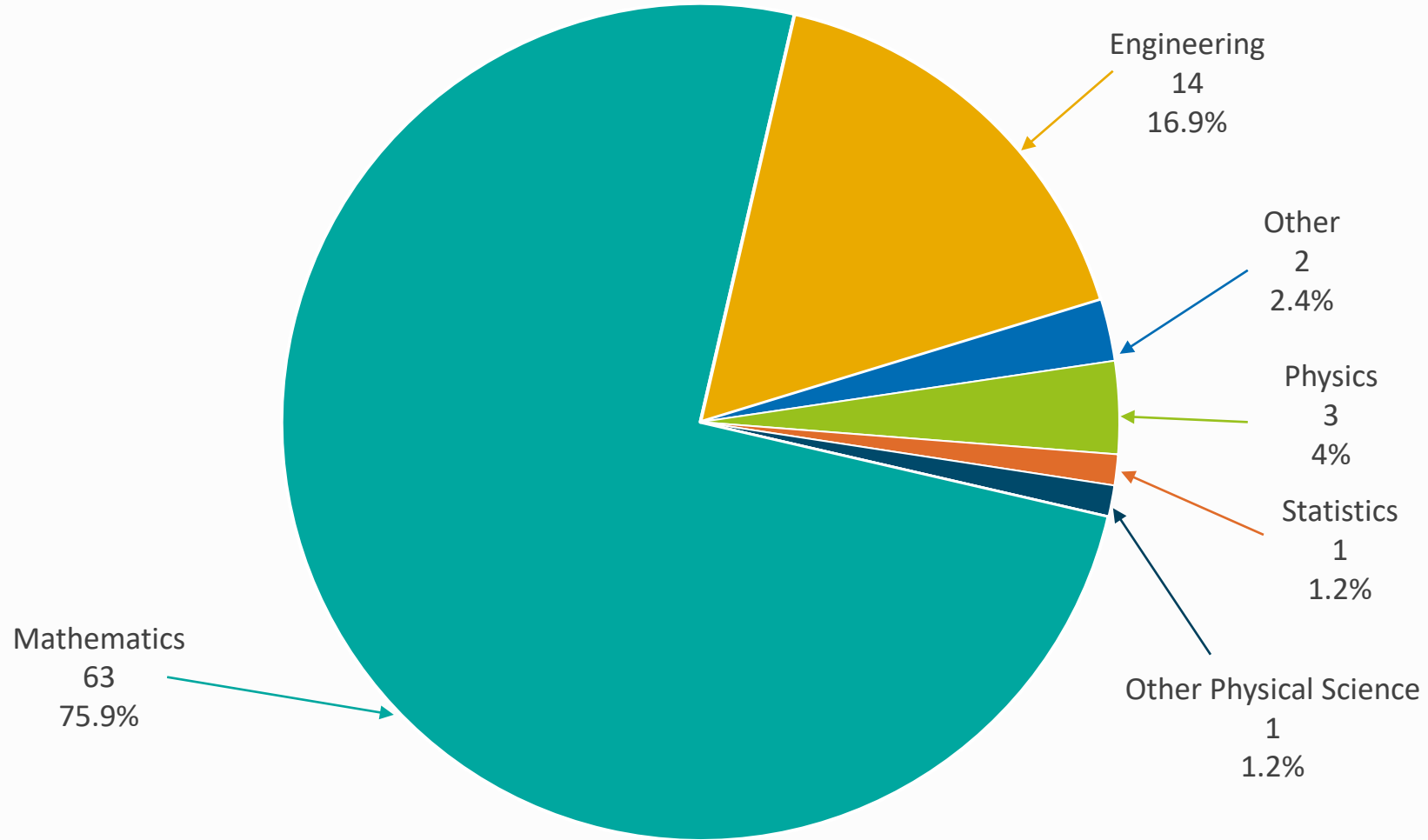
Students



SIAG/MS Membership by Employer Type



SIAG/MS Membership by Department Type



Other Business

Contacts

Chair

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Program Director

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Secretary

Miranda Holmes-Cerfon

holmescerfon@math.ubc.ca

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