SIAM BUSINESS MEETING
Transitions in Uncertain Times

22 July 2020

Lisa Fauci, SIAM President

Jim Crowley, Executive Director

siam® | Society for Industrial and Applied Mathematics

Welcome

Let's be clear…

- While there is much uncertainty outside, SIAM remains healthy and strong and will continue to do so.

- And while there will be a transition with new senior leadership and a new Executive Director. SIAM's traditions will continue.

siam. | Society for Industrial and Applied Mathematics

Transitions – New Executive Director

- Jim Crowley announced retirement to Senior Leadership in December 2019.

- Announced to staff, Board and Council in February 2020.

- A search committee has been formed and selection process continues
  - Includes President, President-Elect, Board Chair, Treasurer, and Chief Operating Officer
  - Plus a few other selected members of SIAM and staff.

Transitions – Volunteer Leadership

▶ **Margot Gerritsen** elected by Board to be new Board Chair

▶ **Susanne Brenner** elected to be next President (beginning 1/1/2021)

▶ **Sue Minkoff** elected to be SIAM Secretary

▶ **Jim Nagy** appointed to be SIAM VP for Programs

▶ **Howard** Elman appointed to be SIAM VP for Publications.

Transitions – Board election: 3 Board members elected by membership each year

- **Margot Gerritsen** (re-elected), Stanford University
- **Randy LeVeque** (re-elected), University of Washington
- **Bonita Saunders**, NIST

Transitions – SIAM Council
4 elected each year by membership

- **Heike Faßbender**, *Tech. Univ. Braunschweig*
- **Helen Moore** (re-elected), *Applied BioMath*
- **Valeria Simoncini**, *Universita' di Bologna*
- **Suzanne L. Weekes**, *Worcester Polytechnic Institute*

2019 was a good year for SIAM... 2020 offered new challenges

- Journals continued to be strong in 2019 with record numbers of submissions. In 2020 we will upgrade our journals platform.

- Conferences had another record year, including CSE and Dynamical Systems.

  - No Annual Meeting in lieu of the ICIAM Congress in Valencia

  - Board desired to take a financial and management stake in conference overseas.

- A new Development Program was initiated.

  - SIAM welcomed Ken Boyden as Director of Development and Corporate Relations.

siam. | Society for Industrial and Applied Mathematics

In 2020 we continue to move forward despite the challenges of the pandemic

▶ We signed a contract with Atypon to upgrade our journals platform.

▶ We began work with Interactive Strategies for audit of our web site(s) to include the journal platform, bookstore, and e-business site to further improve our web presence.

▶ We will launch a new communities platform (Higher Logic) this summer, SIAM Engage.

▶ We planned for our first SIAM Conference on Data Science, only to have it moved to our first virtual conference.

Then the pandemic struck

- We held two conferences in person (SODA20 and PP20) but had to cancel/postpone/virtualize the remainder of the 2020 conference program (conferences)
  - We refunded registration fees of conferences affected by the pandemic and offered virtual conferences for free for 2020 (some conferences in Europe were unable to fully refund).
  - We offered to pay expenses incurred by invited speakers and travel awardees who could not get theirs reimbursed.
  - We owe a great thanks to Conference Organizing Committees who did double duty in moving conferences to the internet or to another time and place. Thanks!
- AN20 had over 4,000 free registrants. Some stayed for many sessions, others sampled one or two talks.
  - Half the talks, but double the attendees.

Modified 2020 Conferences

- MDS (Data Science), Cincinnati. Went virtual in May/June.
- SDM (Data Mining), Cincinnati. Cancelled. Next conference in 2021.
- UQ (Uncertainty Quantification), Garching, Germany. Cancelled. Next: UQ22.
- OP (Optimization), Hong Kong. Rescheduled. Will meet at AN21.
- MS (Materials Science), Bilbao, Spain. Rescheduled to May 24, 2021 in Bibao.
- DM (Discrete Math), Portland, OR. Rescheduled. Will meet at AN21.
- MPE (Math of Planet Earth), Garden Grove, CA. Went virtual. August 2020.
- LS (Life Science), Garden Grove, CA. Went virtual June 11 – July 2.
- IS (Imaging Science). Was with AN20 and went virtual with it.
- NS (Network Science). This workshop was with AN20 and went virtual with it.
- AN (SIAM Annual Meeting), Toronto, CA. Went virtual July 6-17.
- NWCS (Nonlinear Waves), Bremen. Cancelled.
- ED (Applied Math Education), with MAA's MathFest. Cancelled when MAA cancelled MathFest.

Otherwise in 2020

- The pandemic struck after most journal subscriptions paid and membership dues collected.
    - A small decline in new members due to inability to recruit at conferences as we normally do.
- The major financial impact was from conferences – $ ¾ million.
- We have the resources to weather such short-term impacts.
- But 2021 remains a huge uncertainty.
    - Impact on subscriptions?
    - Virtual conferences? We plan to charge for virtual conferences in 2021, anticipating somewhat lower fees but with a need to recover costs.
- Main message: we will continue to serve members as best we can and do not anticipate major cuts in programs at this point.

Some priorities of our senior leadership

President: Lisa Fauci (Tulane University)
VP at Large: Carol Woodward (Lawrence Livermore NL)
Board Chair: Margot Gerritsen (Stanford University)

- Future of the Joint Math Meetings
  - What does SIAM wish to see in the future?
- Ad Hoc Committee on Ethics is now a Standing Committee
  - SIAM has joined the Societies Consortium on Sexual Harassment
  - SIAM has created a Policy on Honors and Awards (Fellows), Ethics Disclosure Statement, and Code of Conduct.
- Demographics and data about our membership/community.
- Revision of Sections – controlling costs, assigning appropriate roles,….
- Review of SIAM Prize Program by Major Awards Committee (VP at Large)
- Future of journals and their business models.

siam. | Society for Industrial and Applied Mathematics

Also at Council and Board

- Proposed policies on offensive materials (such as the Lena image).
  - Policies for journals and for conferences.
- SIAG on Data Mining → SIAG on Data Science
  - Covers both SIAM Conference on Data Mining and the new SIAM Conference on Data Science.
- Industry Strategic Workshop
  - Members from the industry community, and SIAM leadership and staff will meet virtually in October to create a strategic plan specific to industry.
- Creation of Prize Canvassing Committee
  - This committee was created to increase SIAM's reach for prize nominations and ensure its diverse community is well represented in the SIAM Prize Program.
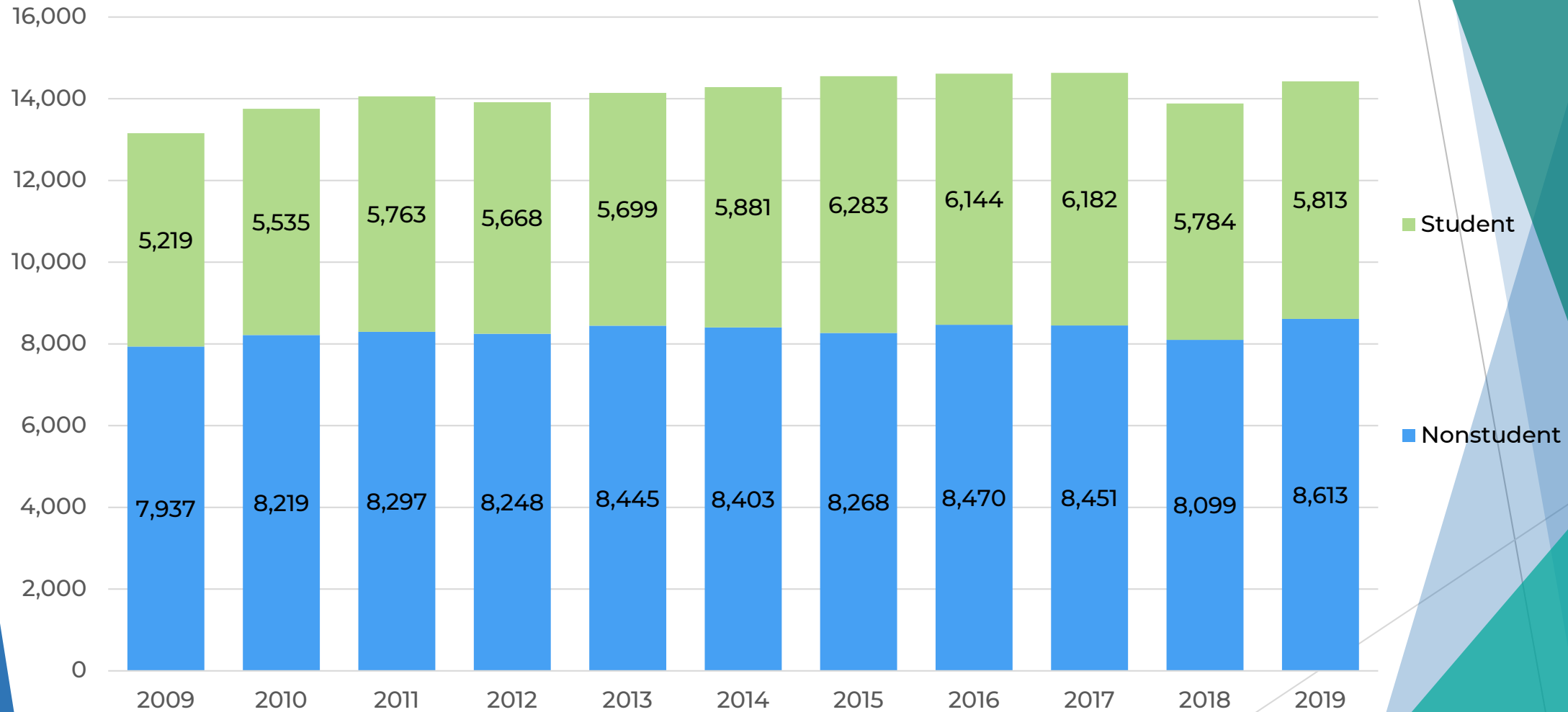
New: VP for Equity, Diversity and Inclusion

This Cabinet-level position has the central goal of monitoring, promoting and enhancing equity, diversity and inclusion among all facets of SIAM programs and activities. The primary focus of the VP for EDI is:

(1) expanding SIAM membership across all demographics;

(2) establishing an ethos of equity and inclusion throughout all SIAM's programs and activities; ensuring that SIAM is serving its entire diverse community as equitably as possible.
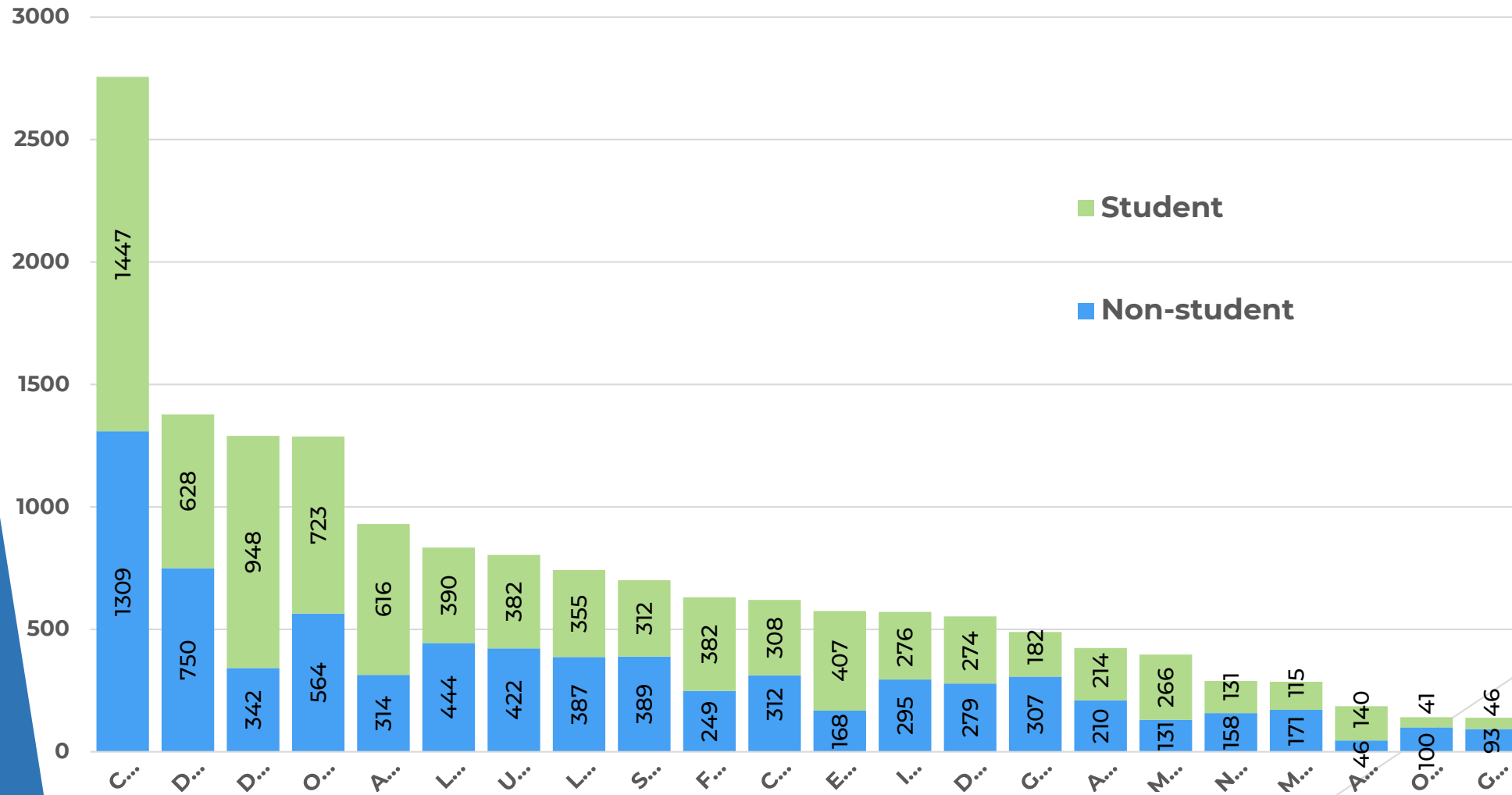

Ron Buckmire

SIAM Membership – 2009 to 2019

16,025 SIAM Activity Group Memberships
46% Nonstudents, 54% Students

195 Student Chapters in 27 Countries
14 Sections in 26 Countries

A Reminder: About SIAM

Society for Industrial and Applied Mathematics (SIAM) is an international community of over 14,000 individual members. Almost 500 academic, manufacturing, research and development, service and consulting organizations, government, and military organizations worldwide are institutional members.

SIAM was incorporated in 1952 as a nonprofit organization to convey useful mathematical knowledge to other professionals who could implement mathematical theory for practical, industrial, or scientific use. Since then, SIAM's goals have remained the same.

SIAM's Goals:

▶ To advance the application of mathematics and computational science to engineering, industry, science, and society.

▶ To promote research that will lead to effective new mathematical and computational methods and techniques for science, engineering, industry, and society.

▶ To provide media for the exchange of information and ideas among mathematicians, engineers, and scientists.

siam® | **Society for Industrial and Applied Mathematics**