THE SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS
Science and Industry Advance with Mathematics
INTERNATIONAL AND INTERDISCIPLINARY

Members hail from more than 100 countries and work within industry, laboratories, government, and academia.
INTERNATIONAL AND INTERDISCIPLINARY

Of the more than 14,000 individual members worldwide, 32% reside outside the US.
SIAM members are:

- Scientists across disciplines
- Physicists
- Engineers
- Applied mathematicians
- Computational scientists
SIAM’s mission is to advance and raise awareness about applied math and related fields through its books, journals, conferences, online resources, and a variety of programs and initiatives.
SIAM Sections

are regional or national subgroups of SIAM that provide a forum for the discussion and enhancement of applied mathematics through lectures, meetings, and other activities.

SIAM Sections:

- Argentinean Section (AR-SIAM)
- Bulgaria Section (BGSIAM)
- Colombia Section (COSIAM)
- East Asia Section (EASIAM)
- United Kingdom and Republic of Ireland of SIAM (UKIE SIAM)
- The Great Lakes (GLSIAM)
- SIAM Southeastern Atlantic Section (SIAM-SEAS)
- SIAM Washington-Baltimore Section
SIAM Serves its Diverse Membership Through:

- career development
- conferences
- prizes and recognition
- public awareness efforts
- publications
- activity groups
- student resources
CAREER DEVELOPMENT AND NETWORKING

- SIAM Job Board
- Careers in Applied Mathematics...alternatives to academic for STEM majors booklet
- recognition possible through prizes, awards, and the SIAM Fellows program
- “Careers in the Math Sciences” in SIAM News provides career-related articles
CAREER DEVELOPMENT AND NETWORKING

- 19 activity groups (SIAGs) allow members to network with professionals who share similar research interests
- conferences connect you with other professionals, with discounted registration for members
- volunteer and leadership opportunities through committees, activity groups, and chapters
CONFERENCES

From conferences on **Applied Linear Algebra** and **Computational Science & Engineering** to **Data Mining**, **Dynamical Systems**, and **Parallel Processing**, SIAM’s 8 to 12 conferences per year span a wide range of subjects and present **timely topics** in applied and computation mathematics.

Visit [www.siam.org/meetings](http://www.siam.org/meetings) for a complete list of conferences.
CONFERENCES

Algorithm Engineering and Experiments
Analysis of Partial Differential Equations
Analytic Algorithmics and Combinatorics
Annual Meetings
Applied Algebraic Geometry
Applied Linear Algebra
Computational Differentiation
Computational Models
Computational Science & Engineering
Control and Its Applications
Data Mining
Discrete Algorithms
Discrete Mathematics
Dynamical Systems
Financial Mathematics and Engineering
Gene Golub Summer School

Geometric Design
Geosciences
ICIAM
Imaging Science
Joint Conferences
Life Sciences
Linear Algebra in Signals, Systems & Control
Materials Science
Mathematics for Industry
Nonlinear Waves
Numerical Combustion
Optimization
Parallel Processing
SIAM Sections
Sparse Matrices
Sponsored Meetings
Uncertainty Quantification
Wave Propagation
Conferences

- in-person forum for the exchange of ideas and information and the latest research
- brings together colleagues from both academia and industry

SIAM Annual Meeting provides a broad view of applied and computational math and its applications through invited presentations, prize lectures, minisymposia, and contributed papers and posters. Some special sessions the meeting also features are: the Workshop Celebrating Diversity, Student Days, panel discussions, and sessions featuring solutions to problems from industry.
**Membership Benefits**

- *SIAM News*
- *SIAM Review*
- *SIAM Unwrapped*
- 80%-95% journal discount
- 30% book discount
- 20%-30% conference discount
- participate in SIAM governance
- eligible to serve on SIAM committees
- join SIAM Activity Groups

- nominate 2 students for free membership
- CML - combined membership directory
- eligible to be nominated as or to nominate a SIAM Fellow
- eligible to enroll in group insurance programs
Prizes and Recognition

- prize program recognizes outstanding applied mathematicians and computational scientists at all levels
- SIAM Fellows program honors members who are recognized by peers for distinguished contributions to the field
- The SIAM Fellows program helps make outstanding SIAM members more competitive for awards and honors when compared with colleagues from other disciplines
PUBLIC AWARENESS

“SIAM uses resources to bring the importance and value of work being done in the community to the broader public.”
PUBLIC AWARENESS

- Why do Math: Engaging multimedia illustrations of math in everyday life at whydomath.org

- Moody’s Mega Math (M3) Challenge: a national internet-based applied math contest for high school juniors and seniors that currently awards $125,000 in scholarship prizes m3challenge.siam.org
**Public Awareness**

- **SIAMConnect**: interactive news pages covering the latest of information at [connect.siam.org](http://connect.siam.org)

- **Nuggets**: brief articles explaining research to the general public at [www.siam.org/publicawreness/nuggets](http://www.siam.org/publicawreness/nuggets)

- **Math Matters, Apply It!**: Colorful, downloadable flyers of real-world uses of math at [www.siam.org/careers/matters](http://www.siam.org/careers/matters)

- **Sciences Policy and Funding** information, as well as an electronic mailing list at [http://www.siam.org/about/science/](http://www.siam.org/about/science/)
CONNECT WITH SIAM AND YOUR COLLEAGUES

- SIAM Blogs
  http://blogs.siam.org/

- Social Media:
  facebook.com/SIAMconnect
  twitter.com/SIAMconnect
  youtube.com/user/SIAMconnects
The mission of SIAM’s book program is to make relevant research results accessible to industry and science and to promote the interaction between mathematics and other disciplines such as engineering, science, and computing.

http://www.siam.org/books/

Available at: http://epubs.siam.org/ebooks/
SIAM JOURNALS

- Multiscale Modeling and Simulation
- SIAM/ASA Journal On Uncertainty Quantification
- SIAM Journal on Applied Dynamical Systems
- SIAM Journal on Applied Mathematics
- SIAM Journal on Computing
- SIAM Journal on Control and Optimization
- SIAM Journal on Discrete Mathematics
- SIAM Journal on Financial Mathematics
- SIAM Journal on Imaging Sciences
- SIAM Journal on Mathematical Analysis
- SIAM Journal on Matrix Analysis and Applications
- SIAM Journal on Numerical Analysis
- SIAM Journal on Optimization
- SIAM Journal on Scientific Computing
- SIAM Review
- Theory of Probability and Its Applications
PROCEEDINGS

- SIAM publishes selected proceedings from its yearly meetings and conferences.

  - ACM-SIAM Symposium on Discrete Algorithms (SODA)
  - Control and Its Applications
  - Data Mining
  - Mathematics for Industry
  - Workshop on Algorithm Engineering and Experiments (ALENEX)
  - Workshop on Analytic Algorithmics and Combinatorics (ANALCO)
SIAM Activity Groups (SIAGs)

- provide a more focused forum for SIAM members interested in exploring one of the areas of applied mathematics and computational science
SIAM Activity Groups (SIAGs)

- Algebraic Geometry
- Analysis of Partial Differential Equations
- Computational Science and Engineering
- Control and Systems Theory
- Data Mining and Analytics
- Discrete Mathematics
- Dynamical Systems
- Financial Mathematics and Engineering
- Geometric Design
- Geosciences
- Imaging Science
- Life Sciences
- Linear Algebra
- Mathematical Aspects of Materials Science
- Nonlinear Waves and Coherent Structures
- Optimization
- Orthogonal Polynomials and Special Functions
- Supercomputing
- Uncertainty Quantification
SIAM News

The Newsjournal of the Applied Mathematics Community!

- technical overview articles written by experts in a wide range of disciplines
- reports of progress and breakthroughs in research
- commentaries on the issues -- political, ethical, educational, and scientific -- that affect the mathematical sciences community
- news about legislation and funding issues, people, and university programs
- comprehensive calendar of events
STUDENT RESOURCES

Students are the future of applied mathematics and computational science. SIAM welcomes students with opportunities to participate in SIAM, as well as online resources on education and careers.

SIAM had 121 active student chapters including 30 outside the United States in 18 different countries.
**Student Resources**

- memberships for students are free or greatly discounted
- student prizes and travel awards
- Student Chapters foster the development of leadership skills, lifelong friendships, career advancement, and build enthusiasm
- SIAM Undergraduate Research Online (SIURO) is an open access publication for the work of undergrads in a wide range of topics
SIAM IS

your link to the world of applied mathematics and computational science!