



siamgators

Interest Meeting
September 1, 2023

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Interest Meeting Agenda

- About the Society for Industrial and Applied Mathematics (SIAM)
- About the SIAM Chapter at UF
- Potential Events for 2023-2024 & Scheduling
- Potential topics for fall seminars
- Election of Officers

About SIAM

- SIAM is an international community of
 - Approximately 14,500+ individual members
 - Almost 500 institutional members consisting of academic, manufacturing, research and development, service and consulting organizations, government, and military organizations
- SIAM goal
 - Foster the development of applied mathematical and computational methodologies in various application areas

About SIAM



- SIAM offers free membership to undergraduate and graduate students
 - Visit <https://my.siam.org> to register as a member
- SIAM member benefits
 - Free subscriptions to SIAM News, Review, and Unwrapped
 - Discounts on SIAM books (30%) and conferences (<85%)
 - Join two SIAM activity groups for free
 - Eligible to hold SIAM officer position at UF
 - Each year one active member of the SIAM Gators is eligible to receive travel funding to attend the SIAM Annual Conference

SIAM Chapter @ UF - last year



- Faculty Advisor: Dr. William Hager, Dr. Nan Jiang, and Dr. Chunmei Wang
- Student Representatives: Matt Dallas (President), Rhea Shroff (Vice President), Ovidiu Nechita (Webmaster)

SIAM Chapter - Events

- **Weekly Seminars** – in conjunction with the Applied & Numerical Analysis Seminar
- **ApplyIt Sessions** - Each meeting we tackle computational problems of interest. The aim is to improve our computational skills that will aid not only the graduate experience but also post-doctoral endeavors.
- **ABC (Applied Book Club)** - Each meeting we discuss papers / books that are of interest to the group. The aim is to increase our understanding of concepts outside our areas of research.
- **Math Slam** - We host a yearly competition for graduate students to present their research to a wide, non-expert audience.

Scheduling for Events



- We are keeping the Seminar timings the same as last year – Fridays, Period 9 (4.05 pm – 4.55 pm)
- Math Slam – Spring '24, TBD
- ABC & ApplyIt – Biweekly structure. Timings TBD

Potential Topics for Seminars

- Numerical Optimization
- Imaging
- Machine Learning
- Operations Research
- Mathematical Biology and modeling
- Numerical Analysis
- Data Compression
- Engineering
- Big Data / Data Analysis
- Statistics

SIAM Officer Elections

• **President**

- Plan majority of the seminars
- Book and correspond with speakers for seminars
- Representative for SIAM Gators

Nominee : Rhea Shroff

• **Vice President**

- Send email reminders before seminars
- Book and correspond with one speaker for seminar per semester
- Publicize events

Nominee : Christian Austin

• **Treasurer**

- Take attendance at meetings
- Order pizza for each meeting, pick up soft drinks from department, turn sign in sheet and receipts to department

Nominee : Gillian Carr

• **Web Master**

- Maintain SIAM Gators website
- Update list of future seminar topics and speakers on site
- Update *ApplyIt* meeting information and make any code from meetings available

Nominee : Michelle Baker



Thank you for coming!

We hope to see you at future meetings of the SIAM Gators. If you have any further questions or concerns please feel free to contact Rhea Shroff , rhea.shroff@ufl.edu.