



# SIAM STUDENT CHAPTERS

*[www.siam.org/students/chapters](http://www.siam.org/students/chapters)*





Society for Industrial and Applied Mathematics

SIAM Student Chapters encourage the promotion of applied mathematics and computational science to Students, *especially, but not limited to, graduate students.*





**Society for Industrial and Applied Mathematics**

145 SIAM STUDENT CHAPTERS (36 outside US)





# *Why form a chapter?*



- share ideas
- learn about career opportunities
- develop networks with faculty and fellow students
- Collaborate with other chapters



## *Who participates in chapters?*

Interdisciplinary students and  
faculty members

*Mathematical sciences*

*Statistics*

*Computer science*

*Engineering*

*Economics*

*Physics*

*Other sciences*



# *What are the benefits of forming a chapter?*



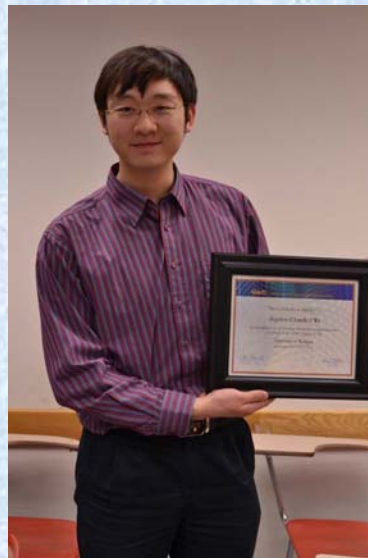
- Free SIAM membership
- Funding for local activities
- Worldwide visibility as a SIAM Chapter
- Networking
- Opportunities for collaboration
- Participation in SIAM Annual Meetings
- Leadership opportunities



# CHAPTERS RECEIVE RECOGNITION



SIAM Student Chapter Certificates of Recognition are awarded to students for exceptional service to the chapter





# *What do chapters do?*



The activities of student chapters are diverse

- Workshops
- Guest speakers
- Field trips
- Social functions
- Team projects
- Research symposia
- Local and regional conferences
- Participate in SIAM Annual Meetings
- Opportunities to represent SIAM at local science festivals



# WORKSHOPS



1. Student presents his work at the Charles University in Prague chapter **bi-weekly PhD Seminar**.
2. University of Pittsburgh chapter **website workshop**.
3. California State Fresno chapter **Annual Integration Bee**



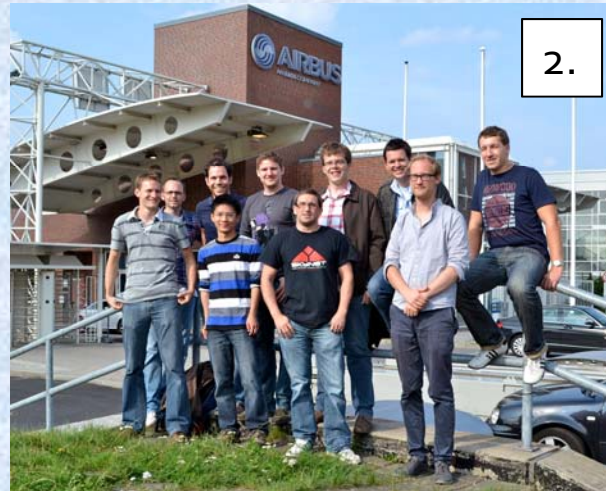
# GUEST SPEAKERS



1. Karel Janecek lectured at the Charles University in Prague Chapter about the use of high-speed computing to automatically generate market or limit orders based on incoming information.
2. SIAM Past President Nick Trefethen (L) meets with the Chinese Academy of Sciences Chapter of SIAM students.
3. Lars Langemyr of COMSOL visits Uppsala University Chapter.



# FIELD TRIPS



1. Colorado State Chapter visited Google in Boulder, Colorado.
2. Trier Chapter visited the AIRBUS factory in Hamburg, Germany.
3. Oxford Chapter visited Bletchley Park, home of the British code breaking activities during the 2nd World War.
4. N Florida Chapter toured the Air National Guard base and were briefed in the newest developments in defense aerospace engineering.



# SOCIAL FUNCTIONS



HEIDELBERG CHAPTER BARBECUE



MINNESOTA CHAPTER PICNIC



PURDUE CHAPTER DINNER



ILLINOIS INST. OF TECH. CHAPTER PICNIC



# LOCAL CONFERENCES



1.

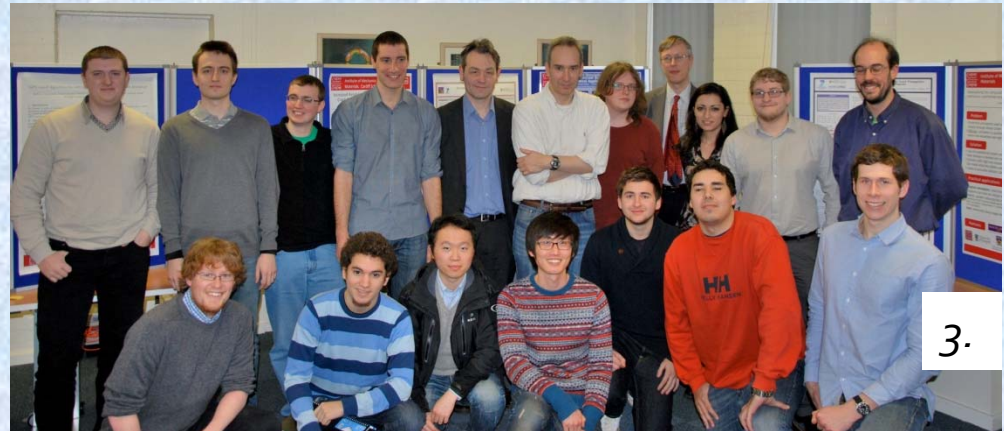


2.



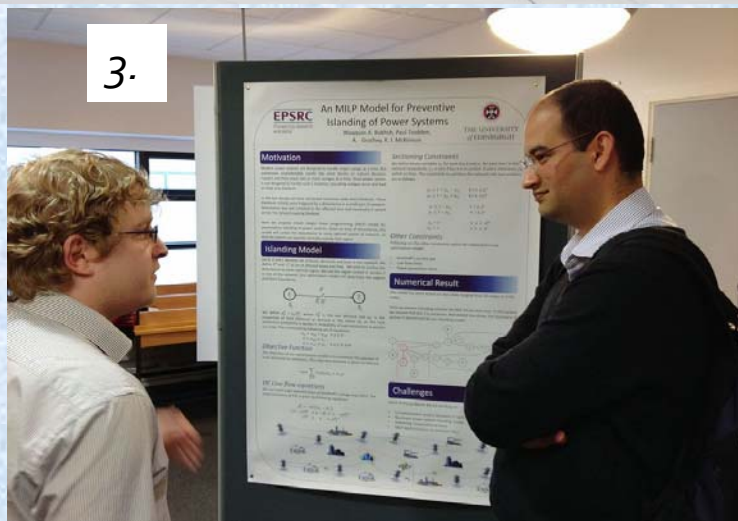
1. MIT chapter co-sponsored the 2<sup>nd</sup> Annual Student Symposium in Computational Science and Engineering.
2. GMU-SIAM 3rd Annual Faculty Research Symposium organized by George Mason Chapter
3. 1<sup>st</sup> Annual SIAM Chapter Day held at University of Cardiff chapter.

3.





# REGIONAL CONFERENCES



1. **3<sup>rd</sup> Mid-Atlantic Student Conference** at Shippensburg University (*Chapters Delaware, Pittsburgh, University of Maryland-Baltimore County, George Mason, Penn State, Shippensburg*)
2. **8th annual 2012 Front Range Applied Math Student Conference** at UC Denver (*Chapters Boulder, Colorado Springs, Denver, Colorado State, Colorado School of Mines*)
3. **2012 SIAM National Student Chapter Conference** at the University of Manchester (*Chapters in the UK – Manchester, Oxford, Reading, Cardiff, Bath, Warwick, Edinburgh, Strathclyde*)



# SIAM ANNUAL MEETINGS



Each chapter may select one student representative to attend the SIAM Annual Meeting. Reps will meet SIAM leadership and students from other chapters, may present research, and may help run the meeting. Financial support is provided.

# REPRESENT SIAM



Chapters volunteer to represent SIAM at science festivals with organizations like the Museum of Mathematics (MoMath) to demonstrate hands-on learning tools.

George Mason and Shippensburg chapters represented SIAM in the 2012 USA Science and Engineering Festival in Washington, DC



## *How do you form a chapter?*

It's easy! Everything you need is at:

***[www.siam.org/students/chapters/start.php](http://www.siam.org/students/chapters/start.php)***



- Send a letter of intent accompanied by a petition signed by 12 regular or student members of SIAM from any institution, including at least 2 faculty members from your institution.

# TO FORM A CHAPTER AT YOUR SCHOOL



- [www.siam.org/students/chapters/start.php](http://www.siam.org/students/chapters/start.php)

*For more information, contact:*

- Membership Manager  
Tim Fest [fest@siam.org](mailto:fest@siam.org)
- Membership Coordinator  
Nancy Snell [snell@siam.org](mailto:snell@siam.org)





University of Texas Pan American Chapter hosts "Pi + Epsilon Day".





**King Abdullah University of Science & Technology (KAUST)  
Student Chapter with Past President Irene Fonseca (center).**





While in China, SIAM Past President Nick Trefethen (center) visited with the Chinese Academy of Sciences Student Chapter of SIAM.



Ruby Fu, formerly from the Clarkson University SIAM chapter and the President of Clarkson University with their SIAM Tee's!





The University of Houston Chapter of SIAM raises the roof!



Heidelberg University SIAM Chapter Officers – (from left) Holger Diedam, Kathrin Hatz, Andreas Sommer, Dennis Janka and Dorte Beigel.





SIAM Past President Nick Trefethen (R) with students at the SIAM National Student Chapter Conference (SNSCC) at the University of Manchester.





The Charles University in Prague SIAM Student Chapter





Participants of the Parameter Estimation Workshop organized by the Heidelberg Chapter of SIAM and the Hanoi University of Science and Technology in Hanoi, Vietnam.





The Colorado State University Chapter in front of the Google Climbing Wall in Boulder Colorado.





The University of Texas Rio Grande Chapter enjoys a lecture/presentation.





**The Drexel University SIAM Student Chapter**





SIAM's National University of Singapore Chapter members  
Yongyog Cai (L) and Chao Ding (R).

University of  
Maryland,  
Baltimore County  
SIAM Chapter  
members gear up  
for a guest lecture  
series at their  
chapter conference.







Georgia Institute of Technology Chapter members listen to a guest speaker.



Middle East Technical University Chapter Advisor Kostyantyn Zehtukhin awards certificates and books to the four finalists in the 2012 SIAM Research Competition.





Embry-Riddle Aeronautical University Chapter members attended SIAM's Physical and Geometric Conference in Orlando, Florida.





The Stevens Institute of Technology Chapter at the "De-Compress BBQ" held annually before finals.





Dr. Hong Zhang presents a Career Seminar discussion to the Illinois Institute of Technology SIAM chapter.



A delegation of SIAM Student Chapter of Trier members attending the opening ceremony of the Heidelberg Chapter of SIAM, both chapters in Germany.