



How do AMS Graduate Student Chapters support the mathematical community and beyond?

AMS Chapter at University of Hawaii at Manoa

“Be a Scientist Night is a night where the math “Ohana” gets to go out, interact with the community, and show the community why math and other sciences are so awesome. In this event we chose a location working with members of the Institute of Human Services to have the most profound impact on the local youth. This year it was held at Kahauiki Village, and allowed for children and their families to come talk to and learn from real life scientists and mathematicians. Living on the island of O’ahu in the state of Hawai’i, we have come to realize how important the land, resources and especially the community are to survival, and this is our way of giving back our expertise to those who have been so kind and generous with us.”

AMS Chapter at Duke

“Our chapter collaborated with SIAM Duke on organizing the Triangle Area Graduate Mathematics Conference (TAGMaC). Our speakers were fantastic and the food was awesome too!”

AMS Chapter at Boston University

“For the Distinguished Speaker Lecture, Jill Pipher came to speak to an audience of graduate students, undergrads, and faculty in the Mathematics and Statistics department. Jill spoke about her career trajectory through academia, giving advice for those looking to pursue a career in the field. She also spoke about her research in cryptography, and about larger objectives for the AMS. Her talk was followed by a Q&A session, along with a dinner for interested students and faculty.”

AMS Chapter at Ohio University

“Some of our AMS Graduate Chapter members visited a school in Wellston, OH, a rural location and one of the poorest communities in Ohio where there are limited resources in the schools. We led 6 after-school activities combining Art & Math, all related to the Islamic Geometric Pattern. All the Grad members facilitating the activity were from different countries: Iraq, Iran, KSA, USA, Mexico, Ghana and Nepal with very diverse cultures. Each table was represented by a Grad Student from one of these countries, showing the students that even people that are from a different country, culture and background learn the same mathematics. We also wanted to show them that Math is fun! The students went from table to table participating in the activities and really enjoyed themselves.”

AMS Chapter at University of Southern Florida

“The Hasse-Weil Theorem/The Riemann Hypothesis student presentation served as an introduction to many different topics, as it was an example of a problem that combines algebra, geometry, topology and number theory. The presenters got feedback on how to manage time for the different slides and use the available board space for examples. This was an opportunity for a graduate student to practice for an academic presentation. The audience consisted of advanced undergraduate students and graduate students.”



Photos courtesy of their respective universities.

AMS Chapter at UC Berkeley

"We had noticed that Berkeley students had very little interaction with students from the other schools nearby, so we developed a one-day conference; The Bay Graduate Math Conference (BYGMAC) as an opportunity to increase communication and to create connections between graduate student researchers from different schools. The BYGMAC's schedule consisted mainly of eight nonoverlapping talks: seven half-hour talks by students and one hour-long talk by a Berkeley professor. The talks were all about recent research while still being accessible to a general graduate-level audience. The talks were well received, there was a lot of interaction during the breaks, and people were in good spirits throughout the day. We look forward to hosting this again!"

AMS Chapter at Brown University

"We organized three day-long conferences, consisting of six 50min talks given by graduate students aimed at graduate students. The talks focused on three different targeted areas of Mathematics: Analysis/PDE/Probability, Geometry/Topology, and Algebraic Geometry/Number Theory. The first of our conferences was the AMS Graduate Student Conference in Analysis, PDE and Probability at Brown. This conference featured six graduate student speakers from various universities in the Boston area (MIT, Harvard, BU and Brown). The conference was well received, and many of the attendees participated in mathematical discussions during the short breaks and dinner."

AMS Chapter at Southern Illinois University

"The AMS Graduate Student Chapter at SIUC completed several outreach activities directed at undergraduate, high school, and even younger students. These included mathematics hands-on workshops and demonstrations for the Illinois state science fair, Math Field Day at SIUC, and for younger groups. The chapter members developed, directed, and staffed the presentations which were plugged into larger activities."

"The chapter planned and hosted its 2nd annual Integration Bee. Most of the chapter members participated in some way: in planning logistics for the day-long activity of the Integration Bee, developing advertising and outreach, preparing the integration questions and answer keys, and marking the qualifying papers of participants. Several faculty members judged the one-on-one rounds of the elimination tournament, final rounds of the competition and observed firsthand the smooth and orderly operation of the competition."

For information about starting an AMS Graduate Student Chapter, please visit: www.ams.org/studentchapters