



STUDENT AND CLUB NEWSLETTER

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Fall 2018 Issue

<http://sections.maa.org/>

SPRING 2018 STUDENT COMPETITION WIN-



Congratulations to the Spring 2018 Student Competition Winners! From left to right, they are Jonathon Oster (Penn State Harrisburg), Neera Raychaudhuri and Jacob Viscusi (both high schoolers from The Episcopal Academy). Together these three solved the most problems out of all teams who were given the competition exam. Great job!

UPCOMING STUDENT SCAVENGER HUNT



<https://flic.kr/p/aA3rAc>

Ready for EPaDel's rendition of the Amazing Race? Then the fall 2018 meeting's student activity is sure to grab your interest! Participants will compete in a mathematically-minded scavenger hunt. Clues will be hidden throughout the conference grounds. Logic, analysis, and some smart googling will lead teams to open a series of locked boxes, guiding them right to the final clue. The first team to submit the correct answer will win amazon gift cards, so come and scavenge your way to a prize! Here's the first hint: Make sure you come to Kristin Lauter's Invited Address on *How to Keep your Secrets in a Post-Quantum World*. If you don't, you might just miss the opening puzzle!

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The Spring 2018 Meeting at Temple University

FALL 2018
EPADEL
MEETING



NOVEMBER 3, 2018

SEE THE OFFICIAL
EPADEL WEBSITE
FOR ALL DETAILS



EPADEL: GREEN & SOCIAL

Besides being the world's most dedicated group to the prevention of wasted scrap paper, mathematicians (or at least those in EPaDel) have gone green in another way too. In an effort to go paperless, EPaDel offered early registrants the chance to go paperless at the fall 2018 meeting. Thanks to our section's webmaster (Sean Droms) who converted our website to a mobile friendly one, the timing of this decision seemed right. Of the 150 early registrations, 113 chose to go paperless! We hope to continue to offer this opportunity in the future as well.

Furthermore, 135 of the 150 pre-registrants bought a lunch ticket. So either we really like to dine and chat together, or we're all in search of more napkins to scribble math on!

LA SALLE WELCOMES KAPPA MU EPSILON MEMBERS AND TRANSFER STUDENTS

Last April, La Salle University's chapter of Kappa Mu Epsilon welcomed 18 new members. (See picture above.) The invited speaker at the initiation ceremony was Professor John McCleary, Professor of Mathematics on the Elizabeth Stillman Chair, Vassar College. Professor McCleary, who graduated from La Salle as a mathematics major, presented an engaging talk titled "Binomial Coefficients: History and Arithmetic."

This fall, the math club welcomed freshmen and transfer students into the major by continuing its mentoring program; new students were matched with one or two upperclassmen and were invited to participate in activities such as the opening meeting of the club and a weekend trip to downtown Philadelphia. Students are looking forward to participating in problem-solving sessions to prepare for the Putnam Exam, as well as exploring sports analytics opportunities.

AWARD-WINNING UNDERGRADUATE RESEARCH & SCHOLARSHIP AT SAINT JOSEPH'S UNIVERSITY

A senior Math major, Lauren Hall (below), from Saint Joseph's University presented at the 2018 Undergraduate Research Day at the Capitol (Pennsylvania) Poster Conference last April. Her poster, entitled "Bringing Mathematics to Life in Volleyball", won 3rd Place (tie) in the STEM category (www.pasen.gov/URCPA/winners.htm). Kristen Blackman, a senior Actuarial Science major, also won a 2018 Curtis E. Huntington Scholarship from the Actuarial Foundation, an honor that is given to only 10 students nationwide each year (www.actuarialfoundation.org/wp-content/uploads/2018/09/Scholarship-Flyer-2018.pdf). Kristen Blackman and Alayna McGrath, another senior Actuarial Science major, also won the 2018-2019 Casualty Actuaries of the Mid-Atlantic Region (CAMAR) merit scholarship awards. These awards are given to only 6 students from 15 participating universities in our region.

BRYN MAWR

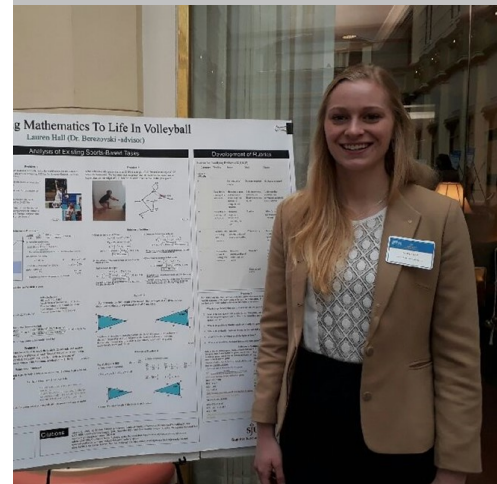
Bryn Mawr students partake in a SET tournament for their Spring 2018 Math Appreciation Week.



DID YOU KNOW?

Drexel University

hosted EPaDel's first official meeting in November 1979. Any prior meetings were referred to as meetings of the Philadelphia Section.





PennState
Harrisburg

After spending last semester to make Math Club active again, we are now focusing on progressing its outreach. Thus far this semester, we have had two meetings and volunteered at two events. At one meeting, Dr. Grosh gave a talk about power sets and counting techniques where he was able to connect a number of ideas together like power sets, Pascal's triangle and the binomial coefficients. It was great to see these ideas displayed in a way where our wide variety of students all could understand and apply it to their individual areas of interest. At an upcoming meeting, Dr. Boman will give a talk about astroids. In regards to volunteering, we recently spent time at the Middletown Home, lending a hand at their annual Pumpkin Fest, and we also ran a "carnival game" for our campus' We Are weekend, which is when families come to visit. For the future, we are looking to incorporate student talks, activities/games, and more trips like our upcoming visit to the National Air and Space Museum in Washington D.C. Our goal is to educate ourselves on anything math-related so that it can be appreciated by students of all majors and math-levels and to explore the fact that math is so much more than what we learn in class.

KUTZTOWN
UNIVERSITY

In the Kutztown University Math Club's first meeting of the Fall 2018 semester, math major Ethan Noe taught us how to solve the Rubik's Cube. Our second meeting featured presentations by three students who did NSF-funded research last summer. Also, on the evening of October 29, Ben Orlin (author of the book and blog "Math With Bad Drawings") visited campus to give a talk (open to the public) about "The Unlikely Friendship of Math and Science."



Bucknell
UNIVERSITY

The 2017-2018 academic year was a lively one for Bucknell's MAA! This year's events included a puzzle night, game nights, a cookie-decorating night, and an extravagant Math Week.



TEMPLE
UNIVERSITY

Temple Math Club is for Mathematics enthusiasts who have a passion that thrives beyond the typical classroom. We meet every Friday from 4 to 5 pm and have been extremely grateful to have brought in professors from Temple and beyond to talk about their research and intriguing theories. We also have interactive sessions to engage our members with brain teasers and to remind ourselves where we encounter math in life. In the past, and also hopefully in the future, we collaborated with other clubs such as Chess Club to get our members to compete against one another and to win prizes according to the number of games won. We have recently expanded our network to aiding high school students in getting a sneak peak of college life as a math major and the roads beyond our undergraduate studies.



LEHIGH UNIVERSITY

For PI Day 2018, the Lehigh University Mathematics & Statistic Society (LUMSS) sold t-shirts and gave out free pie to passerby students. LUMSS also hosted a PI-related t-shirt design competition. Upcoming activities involve Jeopardy with the Professors, a trip to National Museum of Mathematics, and the annual LUMMS Pi Day t-shirt sale.



CEDAR CREST COLLEGE

The Cedar Crest College Math club is an all women's math club that is dedicated to getting women involved in mathematics. Our recent activities include visiting the Museum of Mathematics in NYC, hosting a hands-on activity for a Girl Scouts event on our campus, and attending the Moravian Undergraduate Math Conference. Upcoming events include the LVAIC Math Competition, Pie Your Math Professor day on our campus, and the EPaDel 2018 fall meeting.



<https://math.lafayette.edu/opportunities/reu/>

SUMMER 2018 REU PICTURES



<https://www.muhlenberg.edu/main/academics/mathcs/reu/>

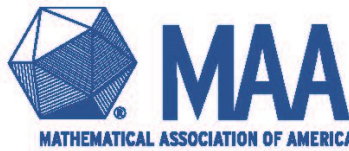


KING'S COLLEGE

TRANSFORMATION. COMMUNITY. HOLY CROSS.

Four juniors from King's presented their own "Axiom Systems" at the last EPADEL meeting. All freshmen math majors must take a proof writing course where for their final project, students must create an axiom system. They also examine the consistency and independency of the models and then make several theorems based on their axiom systems. Their presentations were well-received. They were asked excellent questions and showed additional consistency models during the Q&A.





Get Funded

MAA offers funding opportunities for college and university mathematical sciences faculty to improve teaching, learning, and student engagement.

Ask us how to get funded.

- **Dolciani Mathematics Enrichment Grants** support projects designed to develop mathematical enrichment programs for talented students in middle or high school.
- **National Research Experience for Undergraduates Program** supports the participation of math students from underrepresented groups in summer research experiences to increase their interest in advanced degrees and careers in mathematics.
- **Tensor-SUMMA** (Strengthening Underrepresented Minority Mathematics Achievement) grants support programs designed to encourage pursuit and enjoyment of mathematics among middle school, high school, and/or beginning college students from groups traditionally underrepresented in the field of mathematics.
- **Tensor Grants for Women and Mathematics** support projects designed to encourage college, university, and pre-college women to study mathematics.
- The **Preparation for Industrial Careers in Mathematics (PIC Math)** program prepares mathematical sciences students for industrial careers by engaging them in real-world industry-created research problems.
- Attend MAA workshops on topics such as graduate TA training, data science, and preparing pre-service teachers, and receive travel funding for doing so through the **StatPREP**, **CoMinDS**, and **META Math** projects.

Learn more at maa.org/programs