



EPADEL

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Student Chapter Newsletter

We're Back!!

It's the end of October 2015 and Back to the Future Day just passed. While we don't have hover boards or flying cars, we do have some fabulous mathematics! Read on to find out what some of our local chapters are up to. Our fall meeting is coming up. Please see below for information on registration and student presentations. We are always happy to hear what is going on in your mathematics department. We'd love to advertise any event that your department is hosting which is open to undergraduates from other schools. Please send any contributions to ellen.panofsky@temple.edu.

Fall 2015 Meeting

EPaDel's spring meeting will be held at

Delaware Valley University on November 14, 2015.

Deadline for pre-registration is November 1, 2015.

[Click here](#) to register online

[Click here](#) to register by mail



Section Update
Bucknell University

Last Spring the Bucknell's student MAA chapter was able to construct enough sonobe units to assemble a level 2 Menger Sponge (pictured below)! Just after Pi Day, we held an event around a screening of the movie *The Imitation Game*. We had a Pi Day themed dinner and brief talks by professors in Mathematics and Computer Science about Alan Turing, Cryptanalysis and *The Enigma*. We continue to have well attended game nights. One very special game night will focus on SET and will follow a student colloquium on the mathematics behind the game. The remainder of the semester holds some more exciting events, including pumpkin carving, cookie decorating and two other movie nights. We also have several students attending their first conference at the EPaDel Fall meeting.



Opportunities For Students

Are you an undergraduate who has been working on a project? EPaDel has two great opportunities for you.

1. Give a student talk at our fall meeting. Talks should be approximately 10 minutes in length and can be expository or research oriented. Student speakers will receive free registration and a Certificate of Recognition from the MAA. Deadline for submission is November 1, 2015. [Click here](#) for more information.
 2. Submit a paper for the EPaDel Student Mathematical Papers Prize Competition. Submissions are due by June 15, 2016. [Click here](#) for more information. The winner of our 2015 Student Paper Competition has been selected, and will be announced at our Fall meeting.
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Section Update Kings College

Members of Math/CS club volunteered at St. Vincent DePaul Food Bank on April 15th and 23rd. The students spent the first hour working on food preparation in the kitchen with the other volunteers. Some tasks for this job were filling soup bowls, peeling eggs, and icing cupcakes. At 5:00 pm, the guests started arriving and our students started serving them their food. There were volunteers that scooped chicken and rice onto plates, served hard boiled eggs and desserts, and poured milks, waters, teas, and hot chocolates. Finally at 5:30 pm, they started cleanup which involved putting chairs away, wiping tables, and sweeping the floors. All in all a very successful afternoon.



Section Update La Salle University

In the second half of the spring semester of 2015, members of La Salle's EPaDel student chapter attended the EPaDel meeting at Franklin & Marshall College and the Philadelphia Undergraduate Mathematics Conference Series at Temple University; chapter president Carmen Esposito presented a talk on Polya's enumeration theorem at the second conference. The group also sponsored a university-wide late-night Pi Day event, which included various board games and a contest to solve a mathematical puzzle. In April, members of the chapter celebrated Mathematics Awareness Month by distributing interesting mathematical facts to people passing through the student union building. They also held a 24 game competition and donated half of the proceeds to St. Athanasius School, a local elementary school where chapter members continue to volunteer weekly to provide enrichment activities in mathematics. Upcoming events for the group will be a board game night and the Putnam Exam.



The above picture show La Salle students who attended the Philadelphia Undergraduate Mathematics Conference Series at Temple University.

Section Update St Joseph's University

The Saint Joseph's Math Department inducted six students into the Pi Mu Epsilon Math Honor Society last May: Jane Bukovec, Sarah Cooney, Shelly DeChristopher, Katie Murphy, Amy Perfetti and Lauren Thoreson. Five of our students engaged in summer research. Katie Murphy worked on a project entitled "3D Printing as an Aid to Understanding Mathematical Concepts", mentored by Dr. Sandra Fillebrown. Luigi Nunez and Kayla Varela worked on a project entitled "An Extension of the Accelerated Random Search Algorithm to Constrained Black-Box Global Optimization", mentored by Dr. Rommel Regis. Elizabeth Bloom and Nicholas Mandarano worked on the project "Understanding Multiple Sclerosis through Statistics", also mentored by Dr. Regis.

Some of our Actuarial Science students participated in summer internship programs. Jane Bukovec worked in Prudential's Annuities Product Management department where she created a threshold to identify potential errors between predicted and actual amounts of money transferred between certain funds. She also updated daily exposure reports to warn of potential large transfers. Natalie MacDonald interned with the National Accounts Actuarial department at Aetna as part of their Actuarial Leadership Development Program (ALDP). She created codes to remodel the process by which actuaries can normalize claims data. This system currently analyzes trends a consumer driven health plan and compares the cost trend associated with the high deductible health plan versus that of a PPO. Shelly DeChristopher worked in the Group Medicare department of Aetna's ALDP program. Her project was to create an Excel-based tool with VBA coding to be used by underwriting to compare self-insured or coordinated Medicare plans to their Medicare Advantage plans. The final outputs gave a winners and losers analysis and actuarial value comparison of the two plans.



Above Left: Saint Joseph student Jane Bukovec and her coworkers from Jane's summer internship.

Above Right: Saint Joseph students getting inducted into the Pi Mu Epsilon Math Honor Society



Chapter Update Shippensburg University

Shippensburg's Math Club had a busy end to the spring semester. We hosted a movie night featuring "Money Ball," volunteered with Ship SIAM Student Chapter at the National Math Festival in Washington, DC, attended the 5th SIAM Mid-Atlantic Regional Mathematical Student Conference and Industrial Days at George Mason University, and had our Math Club Spring Picnic on May 1, 2015. We started off this semester with a bang, hosting our Fall Welcome Back Picnic in September and a Math Club Movie night featuring "Imitation Game" in October.



Chapter Update Wilkes University

Our new officers for the year are Rebecca Kuc (President), Christopher Talipski (Vice President), Ashley Horoschock (Secretary), and Tracey Olerich (Treasurer). The Math/CS club hosted a table at Club day on September 10, and ran a table which included a "Math Bingo" game at the Wilkes homecoming kids friendly tailgate event at the homecoming football game on October 3.