



EPADEL  
sections.maa.org/epadel



# Student Chapter Newsletter

## *Start Your Own MAA Student Chapter*

EPaDel has been publishing our Student Chapter Newsletter for a couple of years, and I often get questions on how a school can start their own student chapter. Here is some information from the MAA's website. Any school can start an MAA student chapter, there are no scholastic requirements, and students need not be mathematics majors. To start a chapter at your school, or to affiliate your existing math club with the MAA, the faculty advisor should download the [Chapter Application Form](#), complete it, and return it to: MAA Service Center, P.O. Box 90973, Washington, DC 20090-0973. The scope of the student chapter at your school is limited only by the imagination and effort you choose to put into it. More information can be found on the MAA's website [here](#). Please enjoy this semester's updates and share this information with your students. As always, please send any contributions to [ellen.panofsky@temple.edu](mailto:ellen.panofsky@temple.edu).

## *Fall 2014 Meeting*

EPaDel's Fall meeting will be held at University of the Sciences on October 25, 2014.

Deadline for pre-registration is October 11, 2014.

[Click here](#) to register online

[Click here](#) to register by mail





### Chapter Update La Salle University

In April, members of La Salle's EPaDel student chapter volunteered at the Philadelphia Science Festival's "Playing with Numbers" event. They helped to design and staff tables at which attendees could discover the mathematics behind popular games such as Battleship, Catan, and Instant Insanity. The group is planning a movie night, a game night, and a bowling event with special scoring rules involving prime numbers for the fall semester.



The above photographs are from Philadelphia Science Festival's "Playing with Numbers" event.

# 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 October 11, 2014. [Click here](#) for more information.
2. Submit a paper for EPaDel Section's Student Mathematical Papers Prize Competition. Submissions are due by June 15, 2015. [Click here](#) for more information. The winner of our 2014 Student Paper Competition has been selected, and will be announced at our Fall meeting.

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## Chapter Update King's College

King's College sponsored three mathematics colloquiums in Spring 2014 semester. Dr. Kathleen Ryan, an assistant professor of mathematics at DeSales University presented "If Only Degrees Were Called Degreens!" on March 17<sup>th</sup>. In her talk, she introduced degree sequences in graphs, and we explored the answer to the following question: Given a sequence of integers  $d$ , when does there exist some graph whose degree sequence is  $d$ ? Dr. Jump, an assistant professor of computer science gave two talks on "Memory Graph Mining." In this two-talk series, we will discussed one aspect of software development that remains the most difficult to reason about: memory. In fact, 84% of computer errors result from the mis-use of memory. We saw the graphs that represent memory in large programs. Dr. Jump discussed how to eliminate these obscurities without increasing the size of the graph. Update continued on next page.



Update continued from previous page

On April 12<sup>th</sup>, Math/CS club members participated as a volunteer in CEO (Commission on Economic Opportunity) in Wilkes-Barre. This multi-service nonprofit organization is governed by a Board of Directors comprised of three constituencies with equal representation: consumers, public sector, and private sector. Our task was to pack food in boxes to be distributed to senior citizens or people who struggle for economically.

Finally, two King's Math major students, Abby McManus (3<sup>rd</sup> from left in Photo) and James Siene (4<sup>th</sup> from left in Photo) presented their research at EPADEL meeting held in University of Scranton on April 26 held in University of Scranton. Abby's talk was entitled "An Axiom System" which was based on her junior seminar project directed by Dr. Ghezzi (4<sup>th</sup> from right). On one hand, James's talk was from his independent study class supervised by Dr. Gutekunst (2<sup>nd</sup> from left). The title of his talk was "Exploring an Iterated Function on Integer Partitions", and he examined a puzzle commonly referred to as the Penny Problem.



Pictures:

Previous Page: Math/CS club members participating as volunteer in CEO CEO (Commission on Economic Opportunity) in Wilkes-Barre

Above: King's College students and faculty at EPaDel's Spring 2014 meeting.

## *EPaDel Student T-Shirt Contest*

The 100<sup>th</sup> anniversary of the Mathematical Association of America is quickly approaching, and the EPaDel Section is looking for your best t-shirt design to celebrate!

The winning design will be featured on orange t-shirts and will be sold at the Spring Section Meeting on 3.14.15.

- **Contest Website:**  
<http://sections.maa.org/epadel/tshirt/>
- **Submission Deadline:** February 6, 2015
- Submissions must incorporate the MAA logo which is shown on the top t-shirt to the right. See contest website for needed files.
- Designs can be submitted for the front and/or back of the t-shirt. One side can use up to 4 colors. If a second side is submitted, the design must be monochromatic.



For questions, email [kathleen.ryan@desales.edu](mailto:kathleen.ryan@desales.edu).

# Crawford EPaDel Teaching Award

## *Does your Department have a Great Math Professor?*

**Nominate your favorite professor for the MAA James P. Crawford EPaDel Section Award for Distinguished College or University Teaching of Mathematics.**

The professor must currently teach a mathematical science at least half-time during the academic year in a public or private college or university, have more than 7 years of experience in teaching mathematical sciences, and be current members in the MAA.

Also, the professor should be widely recognized as extraordinarily successful in their teaching (either inside or outside the classroom), have teaching effectiveness that can be documented, have had influence in their teaching beyond their own institution, and foster curiosity and generate excitement about mathematics in their students.

If you feel that your professor might meet these requirements, ask a faculty member in your department to fill out the simple one-page nomination form, due on December 15, 2014, which can be found [here](#).

### Chapter Update Shippensburg University

The SU Math Club consists of the MAA Student Chapter and the SIAM Student Chapter. The Math Club will host a social hour following the department's "Math Major's Day Meeting" during the second week of the semester. The social hour is an opportunity to meet the incoming math majors, welcome them to the department and invite them to join the Math Club. The fall

#### Chapter Update East Stroudsburg University

East Stroudsburg University's math club, Euclid's Elements, meets monthly to discuss different topics. Recent topics include fractals, the Continuum Hypothesis, and digital imaging. Club members assisted ESU's Math and Art Departments in creating an 8 by 22 feet mural of an anamorphic image of Einstein. This semester we plan to visit the Museum of Mathematics.

picnic will be also be held this same week and this will serve as gathering of all math majors and is open to any SU student and faculty. The picnic will provide pizza, soft drinks and chips, in addition to playing games and socializing. The SU SIAM Student Chapter will host the the 24-hour Sixth Annual Cumberland Valley Mathematical Modeling Challenge and almost a dozen teams from the region will congregate at Ship to participate. The Math Club also hosts the Holiday Picnic at the end of the semester where students and faculty meet one evening to celebrate the end of the fall semester. For our secondary education majors, this party also marks the end of their in-class courses as they will be student teaching in the spring semester.

Chapter Update  
Wilkes University

Club officers recruited new members at the University's annual Club Day, which took place on September 4. At an upcoming "Majors/Minors Fair", club members will discuss our academic programs in math and computer science with students who have not yet declared a major. Our Chapter is also helping with preparations for the 2014 ACM International Collegiate Programming Contest (Mid-Atlantic Region), to be held at Wilkes on November 1. Maybe we'll see some of you from other schools that day, participating in the ACM Contest!



The above photograph shows Wilkes University Math and Computer Science Club officers recruiting new members at their annual Club Day.