



## DeGoede Becomes New Department Chair



Professor Kurt DeGoede

This past fall semester Professor Kurt DeGoede succeeded Professor David Ferruzza as the Physics and Engineering department chair. Dr. DeGoede has served the department as an assistant professor since the Fall of 2000. When asked how he felt about being offered this position, Professor DeGoede had this to say, "Honored, intimidated, excited. I am excited about the opportunity to lead the department during this dynamic time for our programs. The increased workload is substantial and that is intimidating, along with the fact that I am acting as an untenured chair. I've always felt David did a masterful job as chair and I am grateful for his helpfulness during the transition."

Dr. DeGoede feels that "the chair plays a vital role in moving the department forward." His first major emphasis will be restructuring the Engineering Physics degree. "The new major would be a general engineering major with students selecting an emphasis in Mechanical Engineering, Electrical Engineering or Applied Physics. When approved by the college, the restructuring would add more design and additional upper level engineering electives to the program, and make these degrees more attractive and marketable for students not interested in graduate studies. Those pursuing graduate studies constitute most the students electing this major in its present form. This new degree is well positioned for ABET accreditation in that it builds upon the strengths of our department

while incorporating features from several colleges which are accredited by ABET. We propose to apply for accreditation as early as January 2006. We are also currently working toward accreditation of the Computer Engineering Degree in its present form."

As head of the department Professor DeGoede will have four fewer teaching contact hours each semester. In the Fall he taught "How Things Work" (lecture and lab for non-majors) and one section of Physics 200 lab along with overseeing an independent study student. Administrative tasks now fill a large portion of his time: developing the semester schedule while interfacing between the individual faculty and students, managing the budget, hiring adjunct faculty, providing faculty evaluations and representing the department with the administration. (Continued on page 2)

## Solar Splash!

Equipped with only four solar panels, some fancy electronics, and their one-of-a-kind hand-crafted boat, members of the Physics and Engineering Club plan to travel to Buffalo, New York to compete in the Solar Splash contest in June 2005. Solar Splash is the World Championship of Intercollegiate Solar Boating competition. The competition covers five days of events in late June with contestants competing in a variety of competitions ranging from visual displays to the main event-boat races. Races begin with two qualifier races, a sprint and maneuverability, and then are followed by the Solar Slalom, the Sprint and the Endurance race. This is the second year a group of Elizabethtown students has planned to compete in Solar Splash. Last year's group set the groundwork for this year's team, but faced technical problems in the last few weeks and were unable to attend the competition. This year's team looks promising, with almost three times the number of students, says new team leader Chris Heisey. (Continued on page 2)

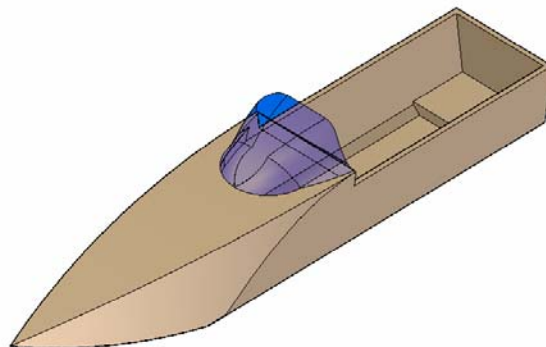
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## Boat (continued from page 1)

When asked about the competition Chris had this to say, "Right now things are in a beginning stage, the electrical and hull teams are assembled and beginning work; we are designing a brand new boat for this year's competition. We have received funding from the College and Student Senate this year totaling \$5,500.00. As it stands now, most of the money from the college is already spoken for in the form of our electrical system, which is the most expensive part of our boat. This is shaping up to be an exciting project and with all the members and financial support that we have now, we have a great opportunity to represent the College well at the competition in Buffalo."

We wish the entire team the best of luck! If you would like more information on Solar Splash you can visit their website at [www.solarsplash.com](http://www.solarsplash.com).



With a new boat design the team aims for victory at the international competition in June.



Mitch Deike describing his intern experience at JLG to first year students.

## Internship Presentations

We all know that internships are an important part of preparing students for the workforce. Not only do they provide a starting place for networking, they also allow students to experience work similar to what they will be doing when they graduate. Mitch Deike had such a good intern experience at JLG Industries that he felt he should share his experience with others. Mitch gathered seven of the approximately twenty engineering stu-

dents who had recently interned and organized a presentation for the first year engineering students. Corey Notarangelo (PennDOT), Snehes Shrestha (Arrow Intl.), Jose Cruz (Warfel), Gustavo Coro (Kelloggs), Lauren Swiecicki (Whiting-Turner), Andy Marzen (KFW Automation), and Chris Heisey (PennDOT) all presented during the intern gathering which was held on Tuesday, October 19<sup>th</sup>. The event was a great success.

## DeGoede (continued from page 1)

Additionally, Dr. DeGoede provides support to the department by taking care of administrative details for the other faculty and helping with grant proposals. He has also encouraged faculty members to submit reports of their work for presentation at society meetings. "As a department we will present seven papers at next summer's annual meeting of the American Society for Engineering Education - the premiere forum for current pedagogical work in the field of engineering."

Professor DeGoede said he enjoys his new position although it does take time away from teaching, which is his favorite part of being a professor at Etown. He also said he doesn't mind most of the administrative duties and enjoys being able to help set the agenda for the department. "I try to work as a consensus builder in the department; the faculty in this department are truly a pleasure to work with."



## Jean Fullerton Joins the Department

Professor Jean Fullerton has joined the Physics and Engineering Department this year. She received her B.S.M.E.T. at the University of Pittsburgh at Johnstown, her M.B.A. at Shippensburg University and her M.E. (Master Engineering/Environmental) at Penn State University. Jean Fullerton also has her Professional Engineering license.

When asked what made her want to become a faculty member at Elizabethtown College Professor Jean Fullerton replied, "I was impressed with the students and faculty at Etown for two reasons. One, I was able to complete my undergraduate degree at the Johnstown campus of PITT which is similar to the Etown campus. I greatly enjoyed the small class size and ability to interact with the professors. In addition, I feel that the department faculty has ex-

panded the program both in size and educational opportunities. I have enjoyed joining this dynamic department."



Professor Jean Fullerton

Professor Fullerton has a lot of industrial experience and plans on using this experience to help students understand how the knowledge they are gaining here can be used after graduation. In addition, Jean Fullerton plans to use her local professional and industrial contacts in the area to help benefit the students and faculty at Elizabethtown. "I would like to revitalize the Extern Program and add intern opportunities for our students," Jean adds.

Professor Fullerton is really looking forward to her second semester teaching here and we wish her the best of the luck!

## Homecoming

This year's homecoming was October 15<sup>th</sup> to the 17<sup>th</sup>. Homecoming is an exciting weekend for many; it gives the chance for people to see old friends that have graduated and for current Physics and Engineering students to hear about life after college. Additionally, each year the Physics and Engineering Club runs a golf dunk tank booth (student designed and built). The Club raised \$78.50 with the help of some stubborn golfers who wouldn't stop until they sank a putt.

Despite the cold and a little rain several alumni showed up to say hello; they included José Riofrio, Aybike (Doganci) Crott, Doug Wisner, Brandon McLaughlin, Rob Knappman, Jonathan Snively, Daphne (Shutt) Matthews, Scott Murray, John Batzer, Mark Dappollone, Scott English and Carrie Kerna.

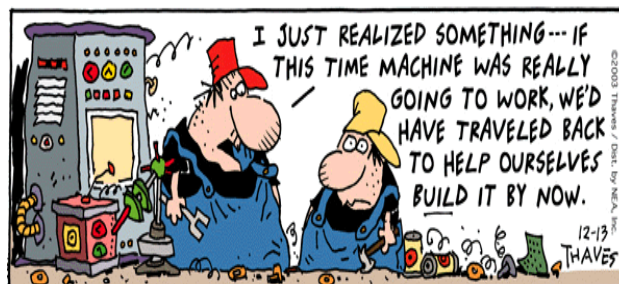
You might be an engineer if...

- You look forward to Christmas only to put together the kids' toys
- You frequently whistle the theme song to "MacGyver"
- The salespeople at Circuit City can't answer any of your questions

(<http://www.geocities.com/TimesSquare/4818/ertw.htm>)

Cartoon reprinted with permission from Frank and Ernest by Bob Thaves

## JOKES:



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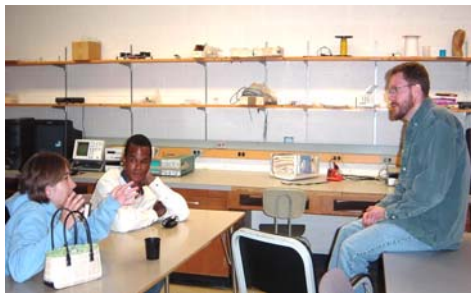
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## Sights From Around the Department



First year and sophomore students battle upperclassmen and professors in a recent soccer game. The first game ended in a 2-2 tie, forcing a rematch one month later. Age prevailed over youth in the rematch, 3-1.



(Left) Professor DeGoede talks with recent alumni, husband and wife -Taruan and Daphne (Shutt) Matthews, while (Right) first year students Adam Botterbusch, Garry Brock, and Adam Beard converse with alumni during homecoming weekend.

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