

Summer 2010 ASEE Student Newsletter

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Letter from the ASEE President



J. P. Mohsen, Ph.D.
President ASEE
Professor and Chair, Civil and Environmental Engineering Department
University of Louisville

It is indeed a pleasure to welcome you to Louisville, KY, the home of the University of Louisville Cardinals. I think you will discover Louisville has all the charm of a small town but also the energy of a larger city. Some of my favorite places include: The Old Louisville Neighborhood, the largest collection of Victorian mansions in the US. Take a walking or driving tour of this special area. St. James Court is the main drag. Nearby is the Speed Art Museum featuring an exhibit of photographs of the most famous icon of the 20th century by eminent photographer Yousuf Karsh. This exhibit ends June 27. Near the downtown area, you will also find the Museum Row on Main, a six–block area with 9 museums including the Louisville Science Center, The Muhammad Ali Museum (I highly recommend a visit here), and the Louisville Slugger Museum and Factory – just remember the souvenir bats must be packed in checked luggage. If you have a car, I recommend a visit to the Historic Locust Grove, a 1790 National Historic Landmark situated on 55 acres about 15 minutes from the downtown area.

Within two to three hours of driving. If you are into cars, the National Corvette Museum is in Bowling Green, KY and all Corvettes are built there. One of the largest caves systems in the US is the Mammoth Cave National

Park where the tours range from 30 minutes to more than 6 hours. Drive the scenic Old Frankfort Pike (State Road 1681, which starts at US 60 near Frankfort and ends in Lexington on Manchester St.) a 17 mile stretch of road which passes by some of the most beautiful horse farms in Kentucky.

If you are attending the ASEE meeting for the first time, I invite you to attend the “Greet the Stars” session to meet with leading ASEE officers and Board of Directors to gain a better understanding of ASEE. You are the stars at “Greet the Stars” session on Sunday afternoon. Members of the Board will explain the structure of ASEE and provide you with insight on how to fully enjoy and benefit from the annual activities of the conference and your involvement in ASEE.

The Student Constituent Committee has evolved into an active and vibrant group since inception. I have been particularly impressed with the quality and the variety of the topics covered in the sessions sponsored by the group during the three years. I stand ready to assist the group in transitioning into the ASEE Student Division. Let me know how I can help!

I look forward to the opportunity to say hello to all of you in person.

Best regards, J.P. Mohsen

Message from the SCC Program Chair



Dan Bumblauskas (bbqx@iastate.edu)

ASEE SCC Program Chair/Vice Chair

ABB Inc.

Doctoral Student, Department of Industrial and Manufacturing Systems Engineering

Iowa State University

We are a few days away from the 2010 ASEE Annual Conference scheduled to be held June 20–23, 2010 in Louisville, Kentucky. I know that many of you took the opportunity to register as a student for the conference and we look forward to seeing you! Please let us know if you have any questions regarding conference registration, logistics, or lodging.

If you are planning to attend the conference and are not sure what to do once you arrive we have the answer! You will find a list of the sessions sponsored by the Student Constituent Committee (SCC) in this newsletter. Also visit the conference online session locator (<http://osl.asee.org/>) to search for sessions by paper title or author, date, or sponsoring division.

Although the annual dinner is at our targeted capacity, there will be other opportunities to network. The NEE and SCC will hold a joint networking event on Monday, June 21st at the Champion’s Sports Bar & Grill. On Monday and Wednesday we will also be holding business meetings. Bring your own lunch and join us.

I hope everyone had a great spring semester and that I will see many of you in Louisville!

Dan Bumblauskas

Member News

The Tufts University Math, Science, Technology, and Engineering Education program has graduated many of its first cohort of Ph.D. students in Engineering Education. Morgan Hynes (February 2009), Merredith Portsmore (December 2009) and most recently Adam Carberry (May 2010) are the first three students to earn the degree.



Dr. Hynes



Dr. Portsmore



Dr. Carberry

Hynes and Portsmore have remained at Tufts working as the research and outreach program managers, respectively, at the Tufts Center for Engineering Education and Outreach. Carberry will leave Tufts in the fall after accepting a post-doctoral research assistantship with Ann Mckenna at Arizona State University.

Position Announcement

Faculty, Tenure Track
Open Rank
Engineering Education
North Dakota State University
URL: <https://jobs.ndsu.edu/>

POTENTIAL DISCIPLINE HOMES: Agricultural and Biosystems Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Industrial Engineering and Management, Manufacturing Engineering, Mechanical Engineering

DESCRIPTION: North Dakota State University invites applications for a tenure-track appointment to begin August 2010. We seek applicants whose primary research interests focus on Engineering Education at the K-12 level, especially at the middle-school level. The successful applicant will serve as a member of the steering committee for the STEM Education PhD program, whose discipline homes are in Mathematics, Biochemistry, Biology, and Physics.

The successful candidate:

- Will have a tenure home within a department of the College of Engineering and Architecture (80%) with a cross-appointment (20%) in the School of Education.
- Will develop and contribute to an externally funded program of engineering educational research, teach discipline-specific courses, and mentor PhD students in engineering educational research.
- Will serve on the steering committee for the STEM Education PhD program.
- Will contribute to the development and assessment of engineering education modules and standards for K-12 education.

Additional duties will vary depending on departmental placement and rank, university and academic unit education needs, and the candidate's experience and interest.

MINIMUM QUALIFICATIONS

- An earned PhD in Engineering Education or an earned PhD in an engineering discipline supported by the CEA with completed graduate level coursework in Education.
- Expertise in education research and development applied to engineering subject matter.
- Ability to develop an externally funded research program.
- Ability to publish research activities in peer-reviewed journals.
- Ability to teach discipline-specific courses at the undergraduate level.
- Strong English oral and written communication skills.
- Ability to work collaboratively with people from a variety of disciplines.

Advanced appointments require a substantial record of scholarship, success in obtaining and leading funded research projects and a pattern leading to national leadership in engineering education.

PREFERRED QUALIFICATIONS

- Experience with supervising/coordinating research activities of students.
- Experience in working with K-12 students and teachers in engineering education.
- Classroom teaching experience.
- Emergent record of scholarly publication.
- Registration as a professional engineer.

APPLICATION WEB SITE: <https://jobs.ndsu.edu/>

CONTACT INFORMATION

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Louisville Travel Information

Check the [Louisville Convention and Visitors Bureau](#) site to learn more about things to do in the host city. Then check [TripAdvisor.com](#) or [VirtualTourist.com](#) to check other travelers' reviews and tips.

SCC Sessions

Monday, June 21, 2010

12:30–2:00 p.m.	<i>Convention Center, 209</i>	SCC Business Meeting 1
5:30–7:00 p.m.	<i>Offsite, Champion's Sports Bar & Grill</i>	SCC / NEE Networking Event+
6:30–8:00 p.m.	<i>Convention Center, 207</i>	Graduate Studies Business Meeting and Dinner*
7:00 p.m.–10:00 p.m.	<i>Offsite, The Sports and Social Club</i>	SCC Annual Dinner (Tickets are required)

Tuesday, June 22, 2010

7:00–8:15 a.m.	<i>Convention Center, 210</i>	Educating Students for Professional Success*
8:30–10:15 a.m.	<i>Convention Center, 210</i>	Graduate Student Experience*
12:30–2:00 p.m.	<i>Convention Center, 202</i>	Student Paper Presentation
2:15–4:00 p.m.	<i>Convention Center, 210</i>	Mentoring Graduate Students, Diversity, and Assessment*
2:15–4:00 p.m.	<i>Convention Center, 202</i>	SCC / NEE Roundtable Panel+
4:30–6:00 p.m.	<i>Convention Center, Division Poster Session 32 – Exhibit Hall 2C & 2D</i>	Student Poster Session

Wednesday, June 23, 2010

12:30–2:00 p.m.	<i>Convention Center, 219</i>	SCC Business Meeting 2
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* Co-sponsored by Graduate Studies Division and SCC

+ Co-sponsored by New Engineering Educators and SCC

Other Sessions We are Looking Forward To

Sunday June 20, 2010

2:00 p.m.–5:00 p.m.	<i>Convention Center, 111</i>	PhD Consortium in Engineering Education Special Session Division: Educational Research & Methods <i>Ticketed event – \$35 on-site</i>
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Tuesday, June 22, 2010

8:30–10:15 a.m.	<i>Convention Center, 204</i>	Advice from the Experts: Grant Proposal Writing Division: New Engineering Educators, Engineering Research Council
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Tips for Conference Attendance

Before you go to Louisville consider these tips on conference attendance:

- Practice a short “elevator pitch” to answer a question you will get many times: “So, what are you working on?”
- Bring business cards. Print your own if your school does not supply them.
- Attend the business meetings of divisions you are interested in. This will give you a chance to meet leaders in those organizations and help you understand what the division is working on.
- After the conference, keep in touch with the people you met. Send a brief e-mail to thank people that helped you at the conference or with whom you had an interesting conversation.

For more advice on how to make your conference experience productive check: [“Twenty Tips For Getting The Most Out Of Your Research Conference Experience”](http://www.sera-edresearch.org/grads/Res_Exp.pdf) (http://www.sera-edresearch.org/grads/Res_Exp.pdf) or [“How to Hack A Conference \(AKA Attend One Productively\)”](http://chronicle.com/blogPost/How-to-Hack-A-Conference-AKA/22891/) (<http://chronicle.com/blogPost/How-to-Hack-A-Conference-AKA/22891/>).

Conference Blogging

We will be blogging daily from the conference. Send your conference pictures along with a short caption to attorres@mail.usf.edu. Pictures will be posted daily on the ASEE Students blog (<http://students.asee.org/>).



Newsletter Archive

Past newsletters are available on our [archive](http://students.asee.org/?page_id=270): http://students.asee.org/?page_id=270.