Happy New Year... A Year of Challenges

It is January, the Winter quarter just begun and after three weeks of break everybody is saying Happy New Year to each other…. In fact, 2007 is going to be a critical year for the Occupational Safety and Health Engineering program in Industrial Engineering, and the outcome might not be very pleasant.

It was announced during August 2006 that Dean Montemagno (the new dean of college of engineering) has unilaterally decided to close admissions for the Industrial Engineering graduate program, and transfer the Occupational Safety and Health Engineering specialization to the Department of Civil and Environmental Engineering. The office of graduate studies at the college of engineering has stopped issuing admissions to new graduate students for the next academic year.

It is going to be a challenging year for faculty and students in the Occupational Safety and Health Engineering. Hopefully the present Industrial Engineering graduate students will all be able to complete their currently approved programs. ... any help is welcomed.

Farman A. Moayed, PE

ASSE Student Section, President

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New Members

The Student Section of ASSE at the University of Cincinnati wishes to welcome all the new members that decided to join us since October 2006.

Amine Darwish, Amr M. Safwat, Maria Baute Torrens, Kristin Moon and Mohamed A. Abuali are the new comers to the ASSE and our network of safety experts and professionals.

National Future Safety Leaders Conference

The Annual National Future Safety Leaders Conference was held in Saint Louis, MO on November 2-4, 2006. Five students and ASSE members from University of Cincinnati (UC) (Farman A. Moayed, Maria Rinder, Reynold Sequeira, Amina Darwish and Amr Safwat) participated in this conference during which they attended workshops, breakout discussion sessions, and visited local plants and companies.

The participants from UC had the chance to network with safety professionals and more than 100 students from 20 different colleges and universities during the conference.

Among all the topics and issues discussed in this conference, the major ones were about, continuous education, professional certificates, communication techniques and networking, effective influencing, and at the end students had the opportunity to participate in a panel discussion session, in which they were able to ask any question regarding their education, research, employment and career.

On the last day of conference, UC students were able to visit the Gateway Arch (one of the city’s attraction) in St. Louis down town, one block away from the hotel and conference location.
Rindsberg Fellowship

Every year college of engineering accepts application for Rindsberg Fellowship during November from Ph.D. candidates who are pursuing to become a college instructor after graduation.
Setenay Tuncel, a Ph.D. candidate and former president of ASSE Student Section at UC received the Rindsberg Fellowship in 2006 and has been able to extend her fellowship to 2007.
This year Farman A. Moayed, PE, Ph.D. candidate and the President of the ASSE Student Section at UC has received the Rindsberg Fellowship for 2007.

International Conference on Nanotechnology Occupational and Environmental Health and Safety

An International Conference on Nanotechnology Occupational and Environmental Health and Safety was held at Duke Energy Convention Center in Cincinnati, Ohio in December 4-7, 2006.
More than 420 scientist and researcher from more than a dozen countries, Canada, Mexico, Japan, Sweden, India, China, UK, USA, Germany, and more, participated in this conference.
The main subjects for each session were Managing Nanomaterials Along the Product Life Cycle, Current Practices, Risk Management Process for Nanomaterials, Regulatory and Risk Overview, International Activities in Nanotechnology, Measurements and Control, Toxicology and Health Effects, and Medical and Environmental Applications.
There were also ten different discussion sessions regarding nanotechnology and occupational safety and health topics chaired by an expert.
During three days of conference more than 50 speakers gave lectures, 13 organizations and companies had exhibits, and more than 30 poster were presented.
Two of the student members of ASSE at the UC (Farman A. Moayed and Reynold Sequeira) presented posters of their research as the primary author or co-author.
The conference ended with a presentation from Dr. Charles Geraci, Ph.D., a member of the NIOSH Nanotechnology Research Council.
Fast Mobility Particle Sizer™ Spectrometer - Model 3091

The Fast Mobility Particle Sizer (FMPS™) spectrometer measures particles in the range from 5.6 to 560 nm, offering a total of 32 channels of resolution (16 channels per decade). It uses an electrical mobility measurement technique similar to that used in our SMPS. However, instead of a CPC, the FMPS spectrometer uses multiple, low-noise electrometers for particle detection. This produces particle-size-distribution measurements with one-second resolution, providing the ability to visualize particle events and changes in particle size distribution in real time. The FMPS spectrometer operates at a high flow rate (10 L/min) to minimize diffusion losses of ultrafine and nanoparticles. It operates at ambient pressure to prevent evaporation of volatile particles, and it requires no consumables. This particle sizer is easy to transport, set up, and operate. It can be configured to measure single or multiple runs continuously for up to 12 hours in length. Its large, color VGA display and built-in control knob provide easy access to instrument features, set-up menus, and data displays.

Features and Benefits

- Measures particles in the range from 5.6 to 560 nm
- Measures particle events and size distributions in real time
- Offers 32 channels of resolution
- Comprehensive software for data collection and analysis
- Single-box design for easy transport, set up, and operation

Applications

- Particle formation and growth studies
- Indoor air-quality measurements
- Environmental research
- Inhalation toxicology studies
- Urban canyon studies
- Transient emission studies from stacks, boilers, and wood burners

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**About the ASSE Student Section**

The Student Section of the American Society of Safety Engineers at the University of Cincinnati was established in June 2004. Since then it has planned several safety related seminars for students at UC and its members have contributed and been involved in conferences, symposiums and seminars locally and nationally.

The main goal of this section is to promote the occupational, safety and health engineering field among undergraduate and graduate students and encouraging them to get involved in research and projects in safety engineering. This section strongly encourages all the student members to engage in teamwork with experts and professionals from other disciplines in order to develop their leadership skills in diverse environments and enhance their experience through opportunities which contribute to students’ educational mission, personal growth, global understanding and ethics in particular.

**Future Activities**

The ASSE Student Section at UC has been planning several activities for Winter and Spring Quarters. This plan consists of, but not limited to, three to four seminars with OH&S related topics, a field trip to Toyota Manufacturing Plant in Georgetown, Kentucky and also a few meetings for chapter meetings.

You can also find us at [http://altmine.mie.uc.edu/asse/public_html/](http://altmine.mie.uc.edu/asse/public_html/)