# University of Bridgeport

## **School of Engineering**

# Recent Events and News

September 2005

This newsletter may be viewed from our website: www.bridgeport.edu/sed/news/main.htm

Graduates from the School of Engineering are encouraged to contact us – let us know where you are, what you are doing, etc.

Please contact Susan Kristie kristie@bridgeport.edu

Welcome back to a new semester! We hope you had a great summer.

**Great News!** We are very proud to announce that the State of Connecticut Department of Higher Education (DHE) Board of Governors unanimously approved, in their vote on June 15 in Hartford, our licensure to offer the Ph.D. program in Computer Science and Engineering.

This is the first Ph.D. program to be licensed in UB's history - 75+ years

- 1. This is the first Engineering Ph.D. program to be offered in Fairfield county
- 2. This is the only Ph.D. program in CT that encourages working engineering/IT/ computing professionals who would like pursue an engineering doctorate part-time; which is crucial in light of current global developments in IT/outsourcing, R&D being done overseas now, dismal numbers of domestic students pursuing research / graduate education in CS/IT/engineering, etc.

Many thanks go to all those who were involved with this project. The outcome of our significant work on the proposal certainly proves that it was all worth it.

## **NEW FACULTY**

We welcome two new faculty members:

Professor Junling Hu, Ph.D. – Department of Mechanical Engineering. Dr. Hu received her Ph.D. in Mechanical Engineering from the University of Missouri-Rolla. She received both her M.E. and B.E. from the Huazhong University of Science & Technology.

Professor Xingguo Xiong, Ph.D. – Department of Electrical Engineering and Computer Engineering. Dr. Xiong received his Ph.D. in Electrical Engineering from the Shanghai Institute of Microsystem and Information Technology. Dr. Xiong received his second Ph.D. in Computer Engineering from the University of Cincinnati.

We are also please to announce the return of Professor Navarun Gupta, Ph.D. – Department of Electrical Engineering. Dr. Gupta received his Ph.D. in Electrical Engineering from Florida International University. He also holds a master's degree in Electrical Engineering and a master's degree in Physics.

Dr. Tarek Sobh, with graduate student Sarosh Patel, recently submitted a proposal to the Robotic Industries Association (RIA) for the Robotics Research Equipment Award. The RIA award provides selected universities with donated robots and accessories for two years in order to conduct research projects on topics of interest to the RIA membership. Their project involves telerobotics (controlling robotic devices from a distance).

The School of Engineering has been awarded a scholarship in the amount of \$8,000 for 2005 - 2006 from the Pitney Bowes Literacy and Education Fund. The scholarship recipient must meet specific qualifications, and a formal presentation of the check from Pitney Bowes to President Salonen and Dean Sobh will be arranged for a later date.

Anes Aref, a senior in the Computer Engineering program, worked as Research Assistant with Prof. Robert Magnusson Department of Electrical and Computer Engineering University of Connecticut, Storrs, Connecticut this summer. His research involved improving the design of the single layer broadband diffractive element based on the guided mode resonance, and optimize guided-mode resonant (GMR) structures using numerical optimization methods.

Abdelrahman Elleithy, a junior in Computer Engineering, spent 10 weeks this summer in the Department of Biomedical Engineering in New Jersey Institute of Technology. Abdelrahman participated in the BIOMEMS program which is sponsored by the National Science Foundation, the National Institutes of Health and the Biomedical Engineering Department of The New Jersey Institute of Technology (NJIT). BioMEMS are micro-electro-mechanical systems (MEMS) designed for biomedical applications. MEMS are produced using the same technologies that produce silicon microchips. From the biological and medical points of view, applications of BioMEMS devices span a wide range of important questions in basic biology and problems in medical diagnostics and therapeutics.

Dr. Khaled Elleithy and Dr. Tarek Sobh, with Professor Toshio Fukuda from Japan, are the chairmen for the "International Joint Conferences on Computer, Information and Systems Sciences and Engineering" held December 10 - 20, 2005.

The conference is sponsored by the Institute of Electrical and Electronics Engineers (IEEE).

CIS<sup>2</sup>E 05 provides a virtual forum for presentation and discussion of the state-of the-art research on computers, information and systems sciences and engineering. The virtual conference will be conducted through the Internet using web-conferencing tools, made available by the conference. Authors will be presenting their PowerPoint, audio or video presentations using web-conferencing tools without the need for travel. Conference sessions will be broadcast to all the conference participants, where session participants can interact with the presenter during the presentation and (or) during the Q&A slot that follows the presentation.

This international conference will be held entirely on-line. The accepted and presented papers will be made available after the conference both on a CD and as a book publication.

Conference participants - authors, presenters and attendees - only need an internet connection and sound available on their computers in order to be able to contribute and participate in this international ground-breaking conference. The on-line structure of this high-quality event will allow academic professionals and industry participants to contribute work and attend world-class technical presentations based on rigorously refereed submissions, live, without the need for investing significant travel funds or time out of the office.

Potential non-author conference attendees who cannot make the on-line conference dates are encouraged to register, as the entire joint conferences will be archived for future viewing.

CIS<sup>2</sup>E 05 is composed of the four conferences: International Conference on Industrial Electronics, Technology & Automation (IETA 05), International Conference on Telecommunications and Networking (TeNe 05), International Conference on Systems, Computing Sciences and Software Engineering (SCS<sup>2</sup> 05) and International Conference on Engineering Education, Instructional Technology, Assessment, and E-learning (EIAE 05).

#### **Graduate News**

Kartigayan Balassubramanian, Electrical Engineering 2003 graduate, has been recemtly promoted to Senior Java Developer for Deloitte Consulting in Atlanta. He is also working for the Center for Disease Control (CDC) US Health Department as a contractor.

Gurpreet Singh, Electrical Engineering 2005 graduate, is currently working at Q-trans and is designing and testing transformers.

Murugabiran Jayapal, EE 2004 graduate, is currently working as an RF Support engineer for Cingular wireless, Philadelphia. He is handling electrical components of cell sites such as antenna replacements, PDU's and Tower mounted amplifiers. He is also working on post-processing of drive-test data. He informs Dr. Hmurcik that the concepts learned from Fiber Optics course are very useful for his daily responsibilities. He deals with Analog & Digital products, and the teachings of ADIC's are very handy.

Santosh Kafle, May 2005 Electrical Engineering graduate, married recently in Denver Colorado. We extend our congratulations and we all wish him and his bride, Renuka Pokharel, much happiness in their future together. Santos is currently working in Stamford

Sumeet Bhalla, M.S.E.E. 2003, is working in Ultra-Tech labs and has married Garima. She is a math teacher.

Sarvendra Agrahari, EE graduate, is working for Delta Airlines in Atlanta as a software developer.

Rajeev Rauniyar, 2001 CPE graduate and 2004 TCMG graduate, is Director of Business Development for Everest Business Solutions in Virginia.

Hemen Chhatbar, EE graduate, is working in Oregon on FPGA Designs.

Julie Hagel, 1990 BSEE, is currently working for Agilent (formerly Hewlett-Packard).

Hiroyuki Takashima, 1990 BSEE, is working in Japan for ATT-Japan.

### **Faculty News**

It is with deep sorrow that we inform you of the passing away of Dr. Paul Bauer. Dr. Bauer was an associate professor of Technology Management and the chairman of that department. His many years of service to the School of Engineering and the University are greatly appreciated. He will be missed by faculty, staff and students. The lecture hall in the Engineering Technology building will be dedicated to Paul. A plaque will be placed on the wall in dedication to his memory.