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**E&T Alumni Association Student Scholarship Golf Classic**



## E-Dimensions: Issue 7, Winter 2009

### Dean's Message

As the halls are beginning to fill with students returning from a well deserved break, we look forward to the beginning of a new year. 2009 will be an exciting year for students, faculty, staff, alumni, and friends as IUPUI's 40th year will be celebrated. Much time and energy is being spent on planning events and activities that will commemorate this joyous occasion for our campus all year long. It is truly amazing to reflect upon the accomplishments of the past 40 years and imagine what lies in store for the future for this extraordinary urban university of unparalleled distinction.



One thing that lies in store for the future of the Department of Music and Arts Technology is a new degree program. I am pleased to announce that the Indiana Commission on Higher Education recently approved the Bachelor of Science in Music Technology. The faculty, staff, and administrators of the Department of Music and Arts Technology are commended for their hard work and persistence to secure this approval during the past few years.

The committed efforts and dedication of the faculty and staff over the years have made the Purdue School of Engineering and Technology, IUPUI an excellent place to receive an education in engineering, technology and in life. We bid farewell to one of our faculty members who has had a lasting impact on the School. Professor of Mechanical Engineering Technology, Maurice Bluestein, has retired from the university after a 19 year tenure. Bluestein will be missed by the faculty, staff, and most importantly, the students.

Wishing you the best in 2009!

H. Öner Yurtseven, Ph.D.  
*Dean*

### Faculty Member Named 2008 – 2009 Student Life Faculty Associate



Lecturer of Architectural Technology and Interior Design, Darrell Nickolson, was selected as the Student Life Faculty Associate for the 2008 – 2009 academic year. Nickolson brings great experience in teaching, research, and service learning to the Division of Student Life. In addition, he is a strong advocate for students, as he is the advisor to a number of student organizations. He will focus on developing strategies to enhance the academic success of residential students at IUPUI. His work will have a lasting impact on curricular and co-curricular integration at IUPUI and will enhance the intellectual lives of students both inside and outside

of the classroom. Congratulations to Nickolson for being selected to serve in this prestigious role!

### 10th Annual Alumni Hi Tea in Malaysia

On October 26, 2008, Dr. Hasan Akay, interim associate dean for academic programs and research, and Paula Jenkins, assistant dean for development and external relations, hosted the 10th Annual Alumni Hi Tea in Malaysia. This annual event is sponsored by the Purdue School of Engineering and Technology, the E&T Alumni Association and the IUPUI Office of Alumni Relations. The Hotel Equatorial Bangi – Putrajaya served as the venue where over 120 alumni, special guests, and family members gathered at for an afternoon of fun, food, prizes, and a chance to catch up on School news and with each other. Special thanks go to Hana Ahmad Tajuddin, AS CPT '00, BS CPT '01, Zaipatimah Ali, BSEE '98, MSECE '03, and ChiaYee Ang, BSME '00, MSME '04 who were instrumental making this superb event a success.



### New Scholarship Named



A new scholarship has been named in memory of retired faculty member David Williamson, Ed.D., who died in December 2008. Williamson worked at the Purdue School of Engineering and Technology, IUPUI for 22 years as an associate professor of computer and information technology. During his tenure, he served as an advisor, teacher, and mentor to countless students and was well respected by his colleagues.

The David M Williamson Scholarship will be given annually to a computer and information technology student. If you would like to support the David M Williamson Scholarship, please [download the memorial contribution form](#) and return it to the School. You can also give online by using the "Give Now" button at the top of this newsletter and selecting the appropriate account.

### IUPUI Enrollment Exceeds 30,000

For the first time in IUPUI's history, enrollment for the fall semester was over 30,000 students. This year 30,300 students registered for classes in comparison to the 29,854 students who attended IUPUI last year. In addition to increased enrollment, campus officials are also reporting that more students from outside the Indianapolis area and across the nation, as well as other countries are attending IUPUI. For more information on this exciting campus milestone, please visit <http://info.iupui.edu/news/page/normal/3661.html>.

### E&T is Now on Facebook!

The Purdue School of Engineering and Technology, IUPUI now has a Facebook page! It's an informal online gathering place to find out information about upcoming events, view pictures, reconnect with lost classmates, and much more. If you have a Facebook profile, you can become our "fan" today by visiting [The Engineering and Technology Facebook Page](#).

### Startup Weekend Hosted at the Purdue School of Engineering and Technology, IUPUI

The Purdue School of Engineering and Technology, IUPUI served as the host for the Indianapolis Startup Weekend on December 5-7, 2008. Startup Weekend, LLC, a company based in Boulder, CO, brings brilliant minds together to create a company from concept to launch over a weekend. The intense 54 hour event travels to different host cities, which are selected via voting on the company's website.

Five companies were created at the Indianapolis weekend, which were derived from concepts chosen by participant votes. Each Startup company has a team assembled by interest and skill sets that works on constructing the company over the course of the weekend. One company started during the Indianapolis weekend was [ShoutNow](#), a voice-messaging service that uses a pay-per-message model to let users send voice messages with one call to a group of recipients. For more information on the Indianapolis Startup Weekend, visit <http://indianapolis.startupweekend.com/>.

### Dean's Council Reception

The Dean's Council Reception was held on November 13, 2008 at the Woodstock Club in honor of the notable generosity and leadership of the School's donors and advisory board members. Alumni and friends of the School gathered to enjoy food and friendship, as well as the extraordinary talent of two Department of Music and Arts Technology faculty members. David Mannell, lecturer of music technology and IUPUI choral director, sang a few selected pieces from well known musicals in a special performance for the guests, with piano accompaniment by E.J. Choe, assistant professor of music technology and director of the IUPUI Music Academy.

The Dean's Council was established as a way to recognize and honor the loyalty and support of donors to the Purdue School of Engineering and Technology, IUPUI. It recognizes individual donors that have given a minimum



of \$250 annually at the following levels: These levels are Bronze \$250 - \$499; Silver \$500 - \$999; Gold \$1,000 - \$4,999; and Platinum \$5,000+. Corporate donors that have given a minimum of \$1,000 annually are recognized at the following levels: These levels are Bronze \$1,000 - \$2,499; Silver \$2,500 - \$4,999; Gold \$5,000 - \$9,999; and Platinum \$10,000+. The School's donors truly make the difference between the maintenance of a great university and the evolution into an extraordinary one.

## Student Spotlight - A Closer Look at the MURI Program

### Robert Frye

Major:

Electrical Engineering Technology

Degree:

Bachelor of Science

Anticipated Graduation Date:

May 2009



As Robert Frye embarks on his final semester at IUPUI, one of the aspects he has enjoyed most about the Purdue

School of Engineering and Technology, IUPUI is the small class sizes, which have helped him feel as if he is an individual, not just a number. Another aspect that Frye has enjoyed has been being involved in the Multidisciplinary Undergraduate Research Institute (MURI) Program.

The MURI Program at IUPUI is an undergraduate research program that was first established in Purdue School of Engineering and Technology, IUPUI to foster multidisciplinary team research among students of different disciplines under the mentorship of engineering and technology faculty members or researchers. Faculty members competitively compete for funding of proposed research projects, while students must complete an application process to become a member of a research team. Each MURI team is comprised of a faculty mentor and two to four students of different disciplines. In spring 2008, the success of this program under the direction of director, Dr. Hasan Akay, was opened up to all faculty on campus through the IUPUI Center for Research and Learning.

Frye had the opportunity to participate in the MURI program as a team member on the project entitled "*Testing Potential Interference with RFID Usage in the Patient Care Environment*", led by mentor, Barbara Christe, associate professor of electrical and computer engineering technology, and co-mentor, Elaine Cooney, associate professor of electrical and computer engineering technology. The objective of this project was to determine if the usage of Radio Frequency Identification (RFID) in the patient care



environment would cause any effects to the existing technologies in that environment. The application tested using RFID tracked the use of disposables inside the hospital. Frye's role in the project was to maintain and monitor all equipment used to test for interference. This included the RFID equipment, as well as the computer hardware and software used to control the RFID equipment.

Frye describes the most rewarding part of being involved in MURI as, "*The opportunity to work with students from other departments in the School of E&T on a project which required each of our unique skill sets. I was able to learn how the other students analyzed our project and gain some insight on the differences between our areas of study. I feel that this gave me a broader view of things and has allowed me to work more easily in diverse environments since the project.*" The students on the team comprised of a Biomedical Engineering Technology student, an Electrical Engineering Technology student (Frye), and a Mechanical Engineering Technology student. The team also worked closely with the president of Blue Bean RFID, which was the equipment provider. For more information on MURI, visit <http://www.muri.iupui.edu/>.

#### Industry Advisors Hold Annual Meeting at Rolls-Royce

The annual Joint Board of Advisors meeting was held on October 17, 2008 at the Rolls-Royce Training Center. Over 100 guests from industry and the School attended the half day meeting where over 25 student research posters were displayed and several speakers addressed the group. Among those speakers was Bill Cook, founder and CEO of the Cook Group, who served as the main speaker for the day's event. Dr. Todd Saxton, associate professor of management and Indiana venture center fellow, of the Indiana University Kelley School of Business, IUPUI and Dr. Kody Varahramyan, vice chancellor for research at IUPUI, also addressed the audience.

#### Faculty and Staff Visit Allison Transmission

Each year the Purdue School of Engineering and Technology, IUPUI and the IUPUI Office of Alumni Relations host alumni luncheons at companies in central Indiana where a large number of the School's graduates are employed. The most recent luncheon was held on November 18, 2008 at Allison Transmission, which was attended by 18 alumni and several faculty and staff members from the School. This event provided an opportunity for alumni to socialize with each other, as well as listen to a report about the campus and School from the Dean. Thanks to all who took time from their busy day to attend!

#### Motorsports Day at IUPUI



Race fans gathered in the Taylor Hall courtyard on September 16, 2008 for the annual Motorsports Day at IUPUI. Participants were able to learn about the Motorsports related programs offered at IUPUI, meet IUPUI student drivers, see an Indy Car, and learn about the safety equipment used at Indy Car races. Indy Car Driver, Sarah Fisher, made a special appearance to visit with fans and sign autographs. The IUPUI Motorsports Club sold tickets for individuals to take a ride around campus in a street-legal Indy car, in which even Dr. Yurtseven, dean of the Purdue School of Engineering and Technology, IUPUI participated. More information about the day can be found at <http://info.iupui.edu/news/page/normal/3679.html>.

### CILT Faculty Member Receives Friend of Business Education Award

Joy Starks, associate professor of computer and information technology, was honored as the recipient of the Indiana Business Education Association Friend of Business Education Award at the Indiana Business, Marketing, and Information Technology Conference on November 14, 2008. This annual award is given to an individual or organization who has made a significant contribution to the improvement, promotion, development, and progress of business education. The recipient also must have demonstrated a concern for business education as evidenced through sponsored programs, publications, financial support, and other activities. Congratulations to Starks on this accomplishment!



### Donor Spotlight

Omni-site.net

Tom Ward, president and founder of Omni-site.net, was a first-generation college student who started college believing that a Bachelor of Science degree was beyond his grasp. Like many students, he worked full-time while pursuing his engineering degrees, ultimately attaining his Bachelor of Science in Electrical Engineering Technology in 1985. He later founded Omni-site.net, a web-to-wireless telemetry company providing products and services that enable remote control and monitoring of equipment and machinery. The company has an excellent national reputation in wastewater monitoring and has a significant market share.

Tom has provided exemplary voluntary support to the Department of Engineering Technology's Electrical and Computer Engineering Technology Industrial Advisory Board, sponsors a number of student scholarships in the Department of Engineering Technology, and provides employment opportunities to graduates. But that's not enough – he is a strong advocate of the Richard G. Lugar Center for Renewable Energy, recently establishing a new start-up, Xylanco, to promote biofuel technology and the use of alternative fuels.



### Second Indiana Renewable Energy Forum Hosted at IUPUI

The Indiana Renewable Energy Forum was held on Monday, September 15, 2008 at the University Place Conference Center and Hotel. Participants heard from representatives of successful renewable energy companies and venture capitalists during panel discussions, as well as the luncheon keynote speaker, *John Mizroch, acting assistant secretary of Energy Efficiency and Renewable Energy (EERE) with the U.S. Department of Energy*.

Mr. Mizroch focused on the major economic opportunities that lie ahead for the U.S. as the country addresses its need for renewable fuel sources and energy efficiency technologies. Gerry Dick, host and creator of INside Indiana Business, served as the moderator for the



luncheon.

For additional information about Indiana Renewable Energy Forums, please visit <http://iugarenergycenter.iupui.edu/forum>

### Student Scholarship Golf Classic is a Success

The Engineering and Technology Alumni Association hosted the 6th annual Purdue School of Engineering & Technology Student Scholarship Golf Classic on Friday, September 12, 2008 at Saddlebrook Golf Course. Despite the unfavorable weather conditions, this year's event raised over \$6,800 for scholarships to support IUPUI students pursuing degrees in engineering or technology. Thanks to all who participated in this year's event!



### Faculty Spotlight

BME- Chancellor's Professor Charles Turner

Recently appointed a Chancellor's Professor of Biomedical Engineering in the Purdue School of Engineering and Technology, IUPUI in April 2008, Dr. Charles Turner also holds an adjunct appointment in the Indiana University Medical School as a professor of orthopedic surgery and the director of orthopedic research.

While serving as the Associate Chairman of the Department of Biomedical Engineering, Turner teaches courses in biomechanics emphasizing how form follows function in the musculoskeletal system. The tissues that make up bones and joints are structurally complex but elegantly designed. Students of biomechanics learn about anisotropic failure analysis, hierarchical organization, structural optimization, joint lubrication, muscle performance, and prosthesis design.

The main focus of Turner's research is treatments for the bone disease osteoporosis. Osteoporosis occurs when bone becomes porous due to aging or poor health. Numerous medications have been developed to fight osteoporosis and several of these were tested in Turner's laboratory. His current research focuses on molecular genetics using transgenic and congenic mice to identify new ways to make bone stronger. He also serves as the Director of the Biomechanics and Biomaterials Research Center, a




Signature Center at IUPUI.

Turner received a B.S. in Mechanical Engineering from Texas Tech University and his Ph.D. in Biomedical Engineering from Tulane University in New Orleans, LA. Prior to coming to IUPUI in 1991, he worked for four years at the Osteoporosis Research Center at Creighton University.

#### IUPUI Hosts SWE Regional Conference

The IUPUI Student Chapter of the Society of Women Engineers will host the Region H Conference February 6-8, 2009. Over 600 collegiate women from universities in the Midwest will gather at the Indianapolis Marriott Downtown for what is expected to be a phenomenal weekend. The conference allows women to attend at a nominal fee, as the cost is underwritten by corporate sponsors. Indy Car driver, Sarah Fisher, will serve as the keynote speaker at dinner for the conference. Co-conference chairs, Diana Vasquez and Jessica Wager, have been leading the dedicated efforts and hard work of the student chapter in preparation for the event. If you would like additional information about the conference, please e-mail [swe09@iupui.edu](mailto:swe09@iupui.edu).

Save the Date for our Upcoming Events!



**WINTER COLLEGE**  
February 20-22, 2009  
Sanibel Harbour Resort and Spa  
Fort Myers, Florida

*Join fellow alumni and friends at the Alumni Association's Winter College in Fort Myers in February, 2009.*

Participants will experience a dynamic weekend of educational workshops, lectures and lively discussions, while enjoying sumptuous food, luxurious accommodations, and the warm Florida sun. The Sanibel Harbour Resort and Spa will serve as our headquarters.

Accomplished faculty will join us for the weekend to lead our educational program.

For additional information email: [www.alumni.iupui.edu](http://www.alumni.iupui.edu) or email [ssdavis@iupui.edu](mailto:ssdavis@iupui.edu) or call Stefan Davis at 317-274-2317 or toll free at 866-267-3104.

**IUPUI**



### Bepko Honors Convocation

The Purdue School of Engineering and Technology, IUPUI will host its 35th Annual Bepko Honors Convocation on Friday, April 24, 2009 at the Crowne Plaza Hotel at Historic Union Station. This event honors the recipients of student scholarships, as well as faculty and staff awards. Be sure to mark your calendar for this exceptional event!

### Class Notes

Anything new since graduation? Let us know about your outstanding accomplishments by sending your updated information to Paula Jenkins, assistant dean for development and external relations, at [pj@iupui.edu](mailto:pj@iupui.edu) or 317-274-8807.

Missed an issue? Visit our E-Dimensions archive.

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