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Dean's Message

As the trees begin to bloom and the campus is filled with students anxious for the warm weather, we know that spring is here and summer is just around the corner. This summer, I will be embarking on a new chapter of my life—retirement. I came to IUPUI as a visiting assistant professor in the fall of 1977 and have been proud to call Indianapolis home for my wife, Madeline, my son, Timur, and me ever since.



As a member of the Purdue School of Engineering and Technology team, first on the 38th Street campus and later at the main campus of IUPUI, I have greatly enjoyed my participation in teaching, scholarship, and the engagement activities of our School in various capacities. I am honored and privileged to have served as the fourth dean of the School since July 1996.

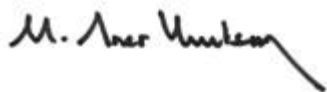
As some of you may already be aware, the fifth dean of the School, Dr. David Russomanno, was recently named. Russomanno currently serves as the R. Eugene Smith Professor and Chair of the Department of Electrical and Computer Engineering at the University of Memphis. During his tenure, he has secured several million dollars in extramural funding for basic and applied research, as well as for initiatives to improve the recruitment and retention of STEM (Science, Technology, Engineering, and Mathematics) students. He has been a faculty member with the University of Memphis since 1993, the same year he received his doctorate in computer engineering from the University of South Carolina. He earned a Bachelor of Electrical Engineering from Auburn University and a Master of Engineering from the University of South Carolina.

Prior to joining the University of Memphis, Russomanno was employed by Intergraph Corporation as an Applications and Research Consultant in the Utilities Division. He has also been employed by Pratt and Whitney Aircraft as a digital control engineer and the Michelin Tire Corporation as a design engineer. During a five year stint, from 2000 to 2005, he was president, founder, and chief, of AI-GIS Technologies, an artificial intelligence and geographical information systems company.

Please join me in welcoming Dr. Russomanno to the Purdue School of Engineering and

Technology, IUPUI, and Indianapolis when he begins his deanship in July and thank you for your exceptional support and enduring friendship!

Warm Regards,



H. Öner Yurtseven, Ph.D.
Dean

Mechanical Engineering Lab Dedicated in Carrier Corporation's Name
For several years, the Purdue School of Engineering and Technology, IUPUI has been fortunate to have a long standing collaborative relationship with Carrier Corporation, a United Technologies Corporation. Carrier has supported countless initiatives of the School through their generous philanthropic support such as the Minority Engineering Advancement Program, the Richard G. Lugar Center for Renewable Energy, and the Willis Carrier Scholars in Mechanical Engineering Program.



Likewise, as a result of their ongoing charitable support of a laboratory and its research activities in the Department of Mechanical Engineering, the Carrier Fluid and Thermal Sciences Laboratory was dedicated on December 11, 2009. At the dedication, staff from Carrier, including some alumni from the School currently employed there, toured the lab and engaged in various lab experiments from current mechanical engineering faculty and graduate students.

The laboratory will serve undergraduate and graduate students enrolled in mechanical engineering and mechanical engineering technology classes. A focus on collaboration with Carrier in the design of thermal-fluid systems used in the heating, air conditioning, and ventilation industry is one major benefit of the laboratory.

OLS Graduate Inducted into IUPUI Athletics Hall of Fame

Kim King, BS OLS '82, became the fourth Purdue School of Engineering and Technology alumnus to be inducted into the Hall of Fame on January 29, 2010, at University Place Hotel. King was one of the top guards in the early years of the IUPUI basketball program, accumulating 1,447 points and 260 assists during his four-year career. His 19.3 scoring average during the 1978-79 season remains the highest ever by an IUPUI freshman while his career point total is fifth all-time. At the time of his graduation, King was the program's all-time leading scorer.

His 13.5 career scoring average is the 15th highest in school history and his assist total ranks 12th all-time. Despite playing for three different head coaches, King helped lead the then-Metros to the program's first-ever winning season in 1980-81 as a junior. The Muncie, IN native hit 49.5 percent from the field and 81.3 percent from the foul line and was known as one of the most prolific scorers in the program's early history.



The IUPUI Athletics Hall of Fame recognizes and honors individuals who have made exceptional contributions to IUPUI's achievements and prestige in the field of athletics, and who have continued to demonstrate values imparted by intercollegiate athletics. The Hall of Fame is supported by the Jaguars Letter Club and the Indiana University and Purdue University Alumni Associations.

Plans for New Science and Engineering Building Approved

The construction of a new laboratory building for the Purdue School of Engineering and Technology and the Purdue School of Science was approved by the Indiana University Board of Trustees in February. The Science and Engineering Laboratory Building, a 81,000 square foot multidisciplinary lab building, will provide space for research and teaching laboratories, classrooms, a vivarium, meeting space, and administrative offices. The new building will be built in two phases, with Phase 1 construction beginning next spring with slated completion in Fall 2012. The estimated cost of the total project is \$45 million dollars.

Alumnus Spotlight

Sean Hagon

M.S. Music Technology '09

A 2009 graduate of the Music Technology Master's degree program, Sean Hagon is an experienced and well rounded musician in all genres. He graduated *cum laude* from Berklee College of Music with a degree in Professional Music focusing on music technology, composition, and music education. He also received his diploma in Media Composition from the accredited Music For The Media of the London School of Creative Studies.



Born and raised just outside of Boston, MA, Hagon began studying music at the age of five which included trumpet, voice, violin and piano. As a teenager, he began to compose music in many styles and was commissioned by the 215th Massachusetts National Guard Army Band to compose Scenes *From A Battlefield*, a full-length work for concert band. Hagon spent much of his time recording and performing nationally in the early 90s with the Boston based rock group Last Cry. Last Cry penned a #1 hit on radio stations in New England with *In The Name of Love* and received airplay on numerous radio stations throughout the country. With Last Cry, Hagon worked closely with producer John Fannon of the 70s rock group New England and Lennie Petze who is best known as the man who discovered and produced hit records for Cyndi Lauper.

Hagon has extensive computer music and music technology expertise and is a composer, orchestrator and conductor for the film, video game, television and advertisement industries. His most recent project was composing the music for the "Celebrity Build" T.V. series on Fox Sports Net New England and has recently signed on to compose the music for the upcoming German independent film *Cibe*. He records and tours professionally as the pianist/keyboardist for the blues national act The Dan Lawson Band.

Most recently, Hagon joined the faculty at the New England Conservatory (NEC) as the Director of Continuing Education and Summer Session, focusing on leading and developing the adult extension division as well as the summer session program and music technology initiatives. He is busy developing several new courses, many of which will be offered online. His extremely popular new Music Production and Technology I course utilizes his instructional web site course design, which was a result of his graduate research project, to cover the essential topics a musician should consider when exploring the use of computers

and technology as related to the music experience. Realizing the specific needs of NEC students, his course has the highest enrollment of the school's offerings!

Hagon was formally recognized for his contributions to the field, as he recently received the Exemplary Music Educator Award from Berklee College of Music at the Massachusetts Music Educator's Association Music Conference.

ETSC Roast of Dean Yurtseven

On February 24, 2010, students, staff, faculty, alumni, and several university administrators gathered at the IUPUI Campus Center for a surprise roast of Dean Yurtseven. The idea arose from a few of the Engineering and Technology Student Council (ETSC) officers, who were inspired by Dean Martin's famous celebrity roasts. They wanted to do something special to commemorate Dr. Yurtseven's upcoming retirement and thank him for all the support he has given to the ETSC over the years. After several months of planning and sending secret e-mail invitations, the event was a huge success with over 175 attendees and a very surprised guest of honor.



Special thanks to those who "roasted" Dean Yurtseven including Hasan Akay, professor emeritus of mechanical engineering, Scott Evenbeck, dean of University College, Adam Hooker, ETSC president, Cary Marston, chair of the Dean's Industrial Advisory Council, Marvin Needler, professor emeritus of electrical and computer engineering technology, Richard Schilling, BS CPT '89, and Andy Wilson, ETSC vice president, as well as the emcee for the evening, Kurush Savabi, BSME '07.

DCT Faculty Work to Save the Tiger

The world's tiger population has fallen by 95% in the last century. In India, less than 1,411 tigers remain, and even that number is down by almost 40% since 2002, according to BBC news. This drastic population decrease is largely attributable to poaching, habitat destruction and disrupted food supplies. Only through the collaborative efforts of public education, government and industry cooperation and strengthened conservation practices will this magnificent species have a chance for survival in the 21st century.



Sobered by this grave reality, the faculty in the Department of Design and Communication Technology (DCT) decided to use their expertise to confront this issue and started the *Initiative to Save the Tiger*. Upon further research, five faculty came together to create a series of three short films that would demonstrate the urgency of this cause. These films feature a 3D-animated tiger that talks to audiences about the plight of his species in India.

In addition to raising public awareness for the cause, the *Initiative to Save the Tiger* gives students valuable insight on how to apply their education in a real-world setting. By developing partnerships between the Department of Design and Communication Technology, government agencies, and private industry, the project models how to interact with global partners and helps students understand how programmers, digital artists and financial forces collaborate in a professional environment.

Students also benefit from increased interaction with the video design process. Professors involved with the project are creating a book that documents how the short films were designed, generated and produced. The book will teach students important scripting and studio skills. It will also focus on the construction of the video, especially the animated tiger which was created through an intricate process involving the creation of a wire mesh skeleton and movable skin. This illustrates the engineering of a character whose different parts may be controlled electronically. *The Initiative to Save the Tiger* will help students use computer graphics to solve real-world problems, revolutionizing the way they interact with film.

The *Initiative to Save the Tiger* is also part of a greater plan to create a world-class 3D animations studio at IUPUI. Faculty members are actively pursuing partnerships with government agencies, zoos, conservation groups and industry leaders to help launch this project and build sustainable connections. These connections will help to establish and maintain an outstanding animation and digital communication facility, benefiting the university and the community at large.

Record Number of E&T Students Honored Named to IUPUI Top 100
The annual IUPUI Top 100 Students Award dinner sponsored by the IUPUI Alumni Council and the Student Organization for Alumni Relations (SOAR) was held on April 9, 2010, at the Indianapolis Marriott Downtown. A record 23 students from the Purdue School of Engineering and Technology, IUPUI were honored at this year's event. An impressive six men from the School were named in the Top 10 Males and four women were named in the Top 10 Females. Junior Computer Engineering Technology student, Brittnee Dumas, received the prestigious title of Top Female. Congratulations to all our outstanding students and their respective departments!

Purdue School of Engineering and Technology, IUPUI Top 100 Students

Prince Bedell, Mechanical Engineering
Joshua Corken, Computer Graphics Technology*
Brittnee Dumas, Computer Engineering Technology*
Neil Dunaway, Mechanical Engineering
Steven Entezari, Computer Information Technology
Daric Fitzwater, Mechanical Engineering
R. Adam Hooker, Biomedical Engineering*
Jessica McGown, Mechanical Engineering
José Muñiz, Mechanical Engineering*
Andrew Pierluissi, Mechanical Engineering*
Anthony Pierluissi, Mechanical Engineering*
Matt Ragozzino, Electrical Engineering
Alex Robertson, Architectural Technology
Matthew Schieler, Mechanical Engineering
Jeannie Sego, Interior Design Technology*
Han Shih, Biomedical Engineering*
Samantha Stone, Mechanical Engineering/ Motorsports Engineering
Edgar Torres, Mechanical Engineering
Emily Valencia, Interior Design Technology
Andres Vasquez, Electrical Engineering
Jessica Wager, Construction Engineering Management Technology*
Justin Williams, Mechanical Engineering Technology*
David Zapata, Mechanical Engineering

**Denotes Top 10 Student*

Student Spotlight- More with IUPUI's Top Female Student

Brittnee Dumas

Major: Computer Engineering Technology

Degree: Bachelor of Science

Anticipated Graduation Date: May 2012

If there's an opportunity to grow and become better, Brittnee Dumas doesn't pass it up. In fact, it's how she landed at IUPUI in the first place. Dumas attended the University of Dayton for her first year of college. While it was a positive experience, she still felt like something was missing.



She first heard about IUPUI from a co-worker and soon became interested in the Purdue School of Engineering and Technology. After visiting the campus, she immediately realized she could find her missing element at IUPUI. "I liked the campus right away. There was a diversity to it and the students that I didn't have at UD," she explains.

With people of various races, ages and backgrounds, Dumas knew she'd grow in a different way— in a way that really mattered to her. "You can learn so much by being around a diverse group of people," she explains. "I love that IUPUI is so diverse. I feel energized by it!"

When Dumas arrived on campus, she jumped in with both feet. She got involved with IUPUI's National Society of Black Engineers (NSBE) student chapter, serving as the organization's secretary. This year, as a junior, she was elected president. The organization's focus is to help black engineers excel academically, succeed professionally and find ways to positively impact community—things Dumas shares a passion for as well. "Through NSBE, we're being prepared for the real-world business environment," she explains.

Dumas also became an RA, or resident assistant, this year for Housing and Residence Life. In that role, she serves as the primary resource for 38 undergraduate and graduate students at Stewart and Boaz houses. "I'm a listener, but not a counselor. I try to connect people with the help they need. I'm also trying to create a community within our residential neighborhoods. I'll offer various programs to get people active and engaged with one another," she shares.

Dumas describes herself as "an advocate for promoting academic excellence, community service, student involvement, and succeeding professionally." In her eyes, all key areas that college students should practice. In addition to her involvement with NSBE and Housing and Residence Life, Dumas has been an IUPUI McNair Scholar, vice president of the E&T Diversity Council, treasurer of Tau Alpha Pi Honor Society, a member of National Society of Collegiate Scholars, and a member of National Society of Leadership and Success. She credits all of these activities with helping her build her leadership skills. "I look at every experience as preparing me for what's next," she says. After graduation, Dumas would like to work for a technology company or pursue her Master's degree.

CNT Alumnus Receives IUPUI's Highest Alumni Honor
Daniel Powell, BS CNT '98, was awarded the
Maynard K. Hine Award on February 25, 2010,

for his leadership, contributions, and support of alumni programs at IUPUI. The Maynard K. Hine Award was established in 1973 in honor of IUPUI's first chancellor. The award was created to recognize significant contributions of individual alumni in support of the campus and its alumni programs, as Dr. Hine believed that a strong alumni program was essential.



Since 1999, Powell has been an integral member of the Purdue School of Engineering and Technology IUPUI Alumni Board of Directors, with roles as President, Vice President, and Secretary. In addition, he has been a member and chair of several committees, including the Student Scholarship Golf Classic Committee, the Scholarships and Awards Committee, the Membership and Nominations Committee, and the Executive Committee. Powell also served the campus by volunteering his time and talent on the IUPUI Alumni Advisory Council from 2004-2006. The School is grateful to count Dan Powell among our loyal, devoted, and generous alumni.

Two EDDP Students Play in NCCA Championship Game

Gordon Hayward and Avery Jukes, both students in the Engineering Dual Degree Program (EDDP) and members of the Butler Men's Basketball team, competed for the 2010 NCAA Championship Title in April.



Currently in its 11th year, EDDP is an academic partnership between the Purdue School of Engineering and Technology, IUPUI and Butler University. Hayward, a sophomore from Brownsburg, is studying Computer Engineering at IUPUI and Math at Butler, while Jukes, a senior from Snellville, GA, is studying Mechanical Engineering at IUPUI and Math at Butler. That's not the only tie to the School from the team—retired Lecturer of Computer Technology, Janis Stevens, is mother to Butler's Head Coach, Brad Stevens. Congratulations to Hayward, Jukes, and Stevens, as well as the rest of the Butler Bulldogs for a great season!

Dean's Council Reception

The Dean's Council Reception was held on March 25, 2010, at the Woodstock Club in honor of the notable generosity and leadership of the Purdue School of Engineering and Technology's donors and advisory board members. Alumni and friends of the School gathered to enjoy food, friendship, and great conversation.

During a short program, a few loyal donors, having given their philanthropic support to the School for over 20 years, were formally acknowledged including, Don and Christine Fitzpatrick, Pat Fox, Ron and Sarah Frank, Cleveland and Betty Lewis, Marvin and Priscilla Needler, Robert and Phyllis Tharp, and H. Öner and Madeline Yurtseven. In addition, William Plater, Ph.D., Chancellor's Professor and Director, Office of International Community Development, was recognized as a 2010 recipient of the Purdue University Honorary

Doctorate Degree.

Many thanks to Yihan Chen, son of Lingma Acheson, lecturer of computer science, in the Purdue School of Science, and Doug Acheson, associate professor of mechanical engineering technology, for sharing his extraordinary talent as the pianist at the event.

E&T Receives Contract for Nearly \$1 Million to Help Improve STEM Education

The Purdue School of Engineering and Technology, IUPUI recently received a \$944,348 contract from the Indianapolis Private Industry Council (IPIC) to provide support for the STEMWorks Indiana Initiative. This new initiative, designed by IPIC, the School and other partners, seeks to improve science, technology, engineering and mathematics (STEM) education. STEMWorks Indiana particularly focuses on improving STEM education resources for two key audiences: disadvantaged youth and dislocated workers.

"It is my vision that through STEMWorks Indiana, we will be bettering the lives of many disadvantaged youth and dislocated workers by providing them support for success and gateways to STEM careers," said David Nickolich, who directs all STEMWorks Indiana project activity by IUPUI. "This is a very significant and meaningful way to serve and give back to the community."

The School's contract supports a larger comprehensive initiative that will create both educational and occupational opportunities for disadvantaged students and dislocated workers participating in STEMWorks Indiana. The initiative will provide tools to enable these individuals to identify their occupational interests, focus on appropriate educational pathways, transform into STEM career candidates and become employed in gateway STEM jobs, simultaneously enhancing the competitive position of local and regional employers. STEMWorks Indiana will build on work already underway in Central Indiana, but will fill in gaps through which too many promising STEM career candidates fall.

According to Charlie Feldhaus, Principal Investigator for the School, the awarded funds will primarily be used to expand and align STEM workforce education and training strategies, activities and resources in Central Indiana's WorkOne centers, which aim to provide a full range of assistance to job seekers under one roof. The School will specifically help WorkOne Centers by developing ongoing training for employment and training specialists, creating "career blueprints" to outline career paths for program participants and providing access to STEM coaches and mentors who will link participants to employers. This will allow WorkOne centers to attract disadvantaged youth and dislocated workers and prepare them for careers in various STEM industries, such as advanced manufacturing, aerospace, biotechnology, engineering, information technology, and renewable energy.

Read more at <http://www.engr.iupui.edu/news/STEM.shtml>.

Fan Us on Facebook

The Purdue School of Engineering and Technology, IUPUI now has a Facebook Page and Group! These are informal online gathering places to find out information about upcoming events, view pictures, reconnect with lost classmates, network, and much more. If you have a Facebook profile, you can become our "fan" today by visiting the [Engineering and Technology Facebook Page](#) and also join the [Engineering and Technology Facebook Group](#).

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 or 317-274-8807.

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