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### Dean's Message

I had the pleasure of traveling to Kenya in November with 15 other faculty and administrators from IUPUI including, Chancellor Charles Bantz, to attend the signing ceremony for the first-ever strategic alliance between Moi University in Eldoret and IUPUI. This ceremony formalized the relationship between our two universities.

The number of people residing in Kenya with HIV/AIDS is well into the millions. The Academic Model for the Prevention and Treatment of HIV/AIDS (AMPATH) began several years ago in an effort to combat the deadly disease by the Indiana University School of Medicine. AMPATH cares for approximately 33,000 patients in 18 sites in western Kenya, adding 1,700 new patients monthly. Local caregivers are trained to administer drugs and provide patient counseling and follow-up. There is also a highly successful nutrition program and farming facilities to provide healthy food required for nutritional needs.

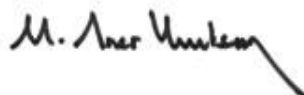
According to Chancellor Bantz, "The comprehensiveness and collaboration of AMPATH provides a model of how the Moi University-IUPUI Strategic Alliance will operate. Under the Strategic Alliance, the entire IUPUI campus will work with all of Moi University for mutual benefit. To our knowledge this is the first such campus wide agreement. Our goal is to develop partnerships across the campuses. For example, the School of Social Work signed an agreement to partner with Moi University to launch a social work program. In turn, Moi agreed to host Master of Social Work students beginning January 2007."

The Purdue School of Engineering and Technology, IUPUI will sign an agreement in 2007 to initiate a 3+2 program with the School of Engineering at Moi University. The engineering programs at Moi University are five-year programs with heavy emphasis on practical training and the medium of instruction is English. We expect that there will also be joint research collaboration efforts among faculty and joint student projects through Engineers without Borders and Habitat for Humanity.

The Purdue School of Engineering and Technology and IUPUI hope this program will further expand curriculum development, institution building, student and faculty exchange, collaborative research projects and study abroad for our students.

As I reflect on my recent travels, it gives me hope for scientific and medical discoveries utilizing intellectual capital and strategic resources to combat life-threatening diseases such as HIV/AIDS.

Happy Holidays to you and your family!



H. Öner Yurtseven, Ph.D.  
*Dean*

### Year-End Gifts

The Purdue School of Engineering and Technology, IUPUI is truly fortunate to have so many loyal and generous donors and other friends. As we often mention, private support is vital to keeping the School on the cutting edge of innovation, maintaining technology in our labs, providing scholarships for our students, and attracting the very best students and faculty members possible to our School and campus.

For assistance with your year-end gift planning, please feel free to contact me at (317).407-6746 during the holiday season. Please note that the School will be officially closed the week of December 23 through January 2, although I am available for your convenience during this time or you may make a gift online at [https://www.indiana.edu/~iuf/oga/app/og\\_engine\\_1.cgi](https://www.indiana.edu/~iuf/oga/app/og_engine_1.cgi) . ~Happy Holidays!

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### Fuel Cell Power

Could cell phones, laptops, military vehicles and radios one day run on electrical power from corn grown in Indiana? With \$1.5 million from the recently approved military budget, IUPUI researchers will collaborate with the U.S. Army in the development of fuel cells powered by ethanol, a grain alcohol.

Andrew Hsu, Associate Dean for Research and Graduate Programs and Professor of Mechanical Engineering, who is currently involved in the research, said the project would help reduce reliance on fossil fuels and foreign oil and therefore enhance national energy security. Ethanol can be made from corn and other agricultural products and transformed into hydrogen to power fuel cells. The by-product of ethanol fuel cell reaction is water and carbon dioxide.

Additional information can be found at:

<http://www.insideindianabusiness.com/newsitem.asp?ID=20034>



### Timothy A. Neeley Endowed Scholarship in MET

The Timothy A. Neeley Scholarship in Mechanical Engineering Technology was established this year in memory of alumnus Tim Neeley, AS MET'86, BS MET '94, who was killed in a tragic automobile accident in October 2006.

Tim was a true believer in the value of education. Not only was he in School throughout his 30 year career with Carrier Corporation, but also encouraged many others to pursue their degrees. For information on supporting the Timothy A. Neeley Endowed Scholarship in MET visit

<http://www.engr.iupui.edu/met/tneeley.shtml>.



### Winter College

Join fellow alumni and friends at the Alumni Association's Winter College in Fort Myers February 9-11, 2007.

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 more information contact the IUPUI Office of Alumni Relations at 866-267-3104 (toll free) or visit <http://alumni.iupui.edu/wintercollege.html>



### Philanthropy Awards Dinner

The Purdue School of Engineering and Technology, IUPUI, nominated Carrier Corporation for Outstanding Corporation Philanthropist, awarded on November 15 at the 2006 Philanthropy Awards Night, hosted by the Association for Fundraising Professionals Indiana Chapter. "Building a Stronger Community Together..." eloquently describes Carrier Corporation's corporate philosophy of strategically combining dollars and voluntary action for ultimate success relative to their community involvement in the areas of education, culture, human services, public policy and international programs. This vision summarizes the distinguished history of partnership that exists between the Purdue School of Engineering and Technology and Carrier Corporation. Carrier is a strong supporter of the Minority Engineering Advancement Program (MEAP), the *Willis Carrier Scholars in Mechanical Engineering Program*, and the Heat and Mass Transfer Laboratory and the Fluid Mechanics Laboratory.

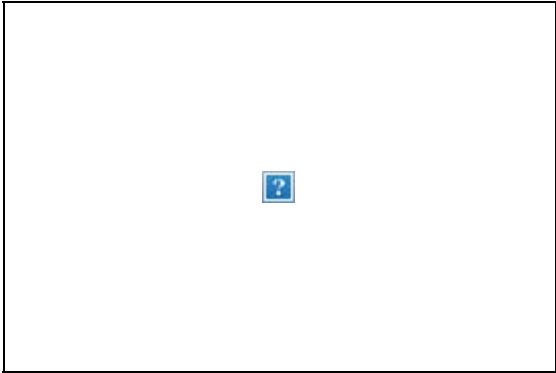


Carrier Corporation, a United Technologies Corporation serves as an exemplary corporate community member in that they support a variety of programs and initiatives in the Indianapolis community and beyond through time, talent and treasure. Their mission: "*A wholly-owned subsidiary of United Technologies Corporation, Carrier is built upon a legacy of innovation and commitment. Through our market-leading products and solutions, we are constantly striving to help people live more comfortable, healthy and productive lives.*" Whether designing air conditioning and heating units or using corporate funds to promote important community activities, Carrier has a deep sense of commitment in helping others. Visit the **Carrier website** for more information.



### Pizza Finals Break

Each semester the Purdue School of Engineering and Technology, IUPUI, Alumni Association partners with the School to give away pizza to hungry, hard working engineering and technology students. This semester students went through 80 extra large pizzas during the study break! Best of luck to them this semester!



### Show your Jaguar Spirit!

Get out your Jaguar sportswear because the IUPUI basketball season has begun! The IUPUI Student Foundation visited the Purdue School of Engineering and Technology, IUPUI on Friday, December 1 to get everyone energized about the upcoming Jaguar Basketball season! On December 22 we play IU at Conseco Fieldhouse at 8pm. Check out more information about the Jaguars at [www.iupuijags.com](http://www.iupuijags.com).



### Student Spotlight

Graduate Student – Mark Svendsen  
Department: Biomedical Engineering  
Anticipated Graduation: December 2006  
Hometown: Indianapolis

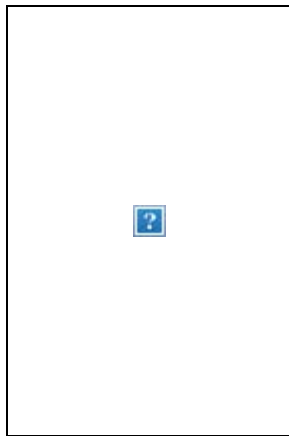
What have you enjoyed most about the Purdue School of Engineering and Technology and IUPUI?  
The thing I enjoy most about the Purdue School and Engineering and Technology is the people. I think the faculty, students, and staff are really great. Everyone is very approachable and willing to help you become a better student. I've made lifelong friends here and I have a lot of great memories. I thank the School especially Dr. Berbari and Dr. Akay for all their help.

Where are you originally from and where did you previously attend school?  
I'm a Hoosier born and raised in Indianapolis (actually Hoosier might not be the most appropriate term, since I'm a Purdue Boilermaker Fan!). I graduated in 2001 from Lawrence North High School and from IUPUI in 2005 with a BS in Mechanical Engineering.

What is your major and why did you choose it?  
I am pursuing my master's degree in biomedical engineering under Dr. Edward Berbari. My research is to model and detect small electrical changes that occur in the heart. I chose the major because I enjoy both engineering and medicine. As an engineer, I like figuring out how things work and solving problems. The human body is one of the most interesting things to study and solve problems because there are always unanswered questions. I enjoy working on something that is directly relevant to people's lives.

What has been your favorite class and why?  
My favorite class is actually one I am in right now, human physiology. I love physiology, which is the study of how the body works. The body is so complex and everything is interconnected. Every section, from how the heart beats to how an embryo develops, is another way I see the mastery of God's handy work. There is a lot already known about the human body, but we've only scratched the surface about how the body works.

What are your career plans?  
My career plans are to get my Ph.D. in Biomedical Engineering and then to work in the biomedical industry. I would like to continue doing research for a cardiovascular biomedical company.



## Faculty Spotlight

BMET – Associate Professor Barbara Christe

The Biomedical Engineering Technology Program has been actively enrolling participants from around the country in the new baccalaureate program.

The degree is designed to meet the needs of those working in the clinical engineering field by offering classes using IUPUI's virtual classroom, Oncourse. Aramark, a Fortune 100 company, has partnered with IUPUI in this endeavor and encourages their employees to earn their degree. One of the strengths of the program is it links students from around the world, working in hospitals in Japan, Hawaii and in Indiana.

Coursework collaboration brings together a wide variety of backgrounds and experiences, richly enhancing the instruction.

For more information on this new and exciting degree in biomedical engineering technology, contact Barbara Christe, Program Director and Associate Professor, Electrical and Computer Engineering Technology at 317-274-7591 or [Bchrist2@iupui.edu](mailto:Bchrist2@iupui.edu).

## 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.

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