PURDUE UNIVERSITY CALUMET

Spring 2008

Engineering News

Two Top Executives Receive 2007 PUC Outstanding Alumni Award

Two Purdue University Calumet Engineering Graduates were the co-recipients of "2007 Overall PUC Outstanding Alumni Award". They were selected from twenty-one "Alumni Committed to Excellence Award" honorees. Both awards were presented during the annual Alumni Leaders Day recognition dinner on November 30th.

John Johnson (left), Vice President and Chief Information Officer (CIO) of Intel Corporation, received his B.S. degree in Engineering with the Electrical Engineering option in 1976. He began his career in the steel industry, and then pursued his passion for microprocessor-based systems by moving to Honeywell. Johnson joined Intel in 1981 and held technical positions in sales, marketing, and business development. In 1992, he became the director of Worldwide Technical Marketing. He joined the IT organization in 1999 and in 2003 became the Vice President responsible for the IT Customer Services organization. He became CIO in July of 2006. Currently, he is responsible for Intel's Information Technology organization with over 5,500 IT professionals spanning more than 50 countries. These professionals support and develop enterprise business applications, productivity solutions, engineering applications, manufacturing applications, voice and data networking, data centre operations, and custom information solutions to over 90,000 employees.

Mr. Johnson commented that *"My time at Purdue Calumet was a very rich and rewarding period of my life. I discovered my passion for engineering which has served me well throughout my career. I met and married my wife of 33 years. And it is a period where I learned the value of staying the course towards my goals."*

Anthony Bridge (right), the Vice President of Engineering and Technology of United States Steel Corporation, received his B.S. degree in Engineering with the Electrical Engineering option in 1991. He began his career in the steel industry with Inland Steel in East Chicago, Indiana, in 1976 and moved through a series of supervisory and management positions in ironmaking operations. Mr. Bridge joined U. S. Steel in 1998 as area manager of the No. 13 blast furnace at Gary Works in Gary, Indiana. He was promoted to division manager of iron producing in 1999, and to plant manager of primary operations in 2001. In 2003, Mr. Bridge was transferred to Pittsburgh headquarters when he was named managing director-blast furnace engineering & technology, where he was responsible for the technological development, operation and maintenance of U. S. Steel's 17 blast furnaces worldwide. Anthony Bridge was promoted to his current position in 2005, with responsibility for research and development activities at the company's Research and Technology Center in Monroeville, Pennsylvania, the Automotive Center in Troy, Michigan, and research facility in Kosice, Slovakia. He also oversees engineering for domestic and international operations as well as blast furnace engineering and technology.

Mr. Bridge highly valued his Purdue Calumet experience: *"First, let me say that, as a former Northwest Indiana resident working full time, Purdue Calumet offered the opportunity for me to continue my education, acquiring an undergraduate degree in engineering from a highly respected institution where the academic program was both flexible in schedule and affordable. The Purdue Calumet experience was very meaningful in my career, the school of engineering staff and curriculum prepared me for the technical challenges I would face in the workplace. The work ethic I established as a Purdue Calumet student carried over in my professional life, and although several things have contributed to the success I have had in my career, I am very comfortable in correlating a significant part of it to my experience at Purdue University Calumet."*

Inside this issue: *Page*

PURDUE UNIVERSITY CALUMET

Department News

Engineering Advisory Board Members attending a meeting

Mr. John Johnson gives a Distinguished Alumni Lecture

Prof. Mojtahed with his senior design team, industry advisor, and completed project

From the Department Head…

Dear Friends:

Welcome to the current Engineering newsletter. We have a lot of exciting news. Our efforts to attract more high-quality students are paying off . In Fall 2007, we reached record-setting enrollment. In comparison to Fall 2006, the engineering undergraduate enrollment has increased nearly 28 percent (nearly 500 majors) and the number of graduate students enrolled reached more than 100. Our students are committed to learning, and are active in student organizations and national competitions.

We have established a new engineering scholarship sponsored by ArcelorMittal, and received more support from our engineering advisory board and local industries. Our curriculum has been further enhanced by adding more hands-on learning. Our engineering faculty continues to be productive in both teaching and research.

We welcome Dr. Dan Suson, the Dean of School of Engineering, Mathematics, and Science. We are also very happy to have Xiuling Wang as our new assistant professor of Mechanical Engineering, as well as Susan Gajewski joining us as the Mechanical Engineering secretary. Susan is replacing Laura Pramuk, who has moved to another career opportunity. We have also said good bye to Dr. Nabil Ibrahim, Vice-Chancellor for Academic Affairs and Professor of Mechanical Engineering. Dr. Ibrahim has become the Chancellor of Abu Dhabi University in the United Arab Emirates. We miss Laura and Nabil, and wish them the best.

We are constantly looking for news, suggestions, and comments. Your input is significant to us in creating a learning community that brings together our faculty, staff, students, alumni, friends, and industry partners to provide the best possible education for our students.

Chenn Q. Zhou, Head of ME Dept. and Interim Head of ECE Dept.

"Passion for Leadership" - A Distinguished Alumni Lecture by John Johnson, Vice President and CIO of Intel

Approximately 200 people attended the Distinguished Alumni Lecture by Mr. John Johnson, the VP and CIO at Intel, on Nov. 30, 2007. Mr. Johnson shared high tech industry insights, including triumphs and pitfalls of leading the IT operation of Fortune 100 company. He talked about Intel's history, current challenges, and future prospects. He also described his career path and the benefits he derived from attending PUC. "My Purdue Calumet experiences landed me my first job with U.S. Steel, monitoring and working in their process control operations," Johnson said. "It was here that I first encountered Intel's microprocessors. The best thing I ever did was make a commitment to go to school and get an engineering degree. It gave me a sense that I could do anything."

When asked what traits Intel looks for in a prospective employee, Johnson said they seek people with persistence, personal integrity, curiosity and a willingness to face challenges.

Johnson said building values is key to professional success. He also emphasized the importance of finishing school and commented that engineering is "a tremendous foundation to begin with."

He told students to be persistent, to be risk-takers, and to stay curious and engaged in what they're doing. "Stay the course," Johnson said. "Ignore the naysayers. Ask yourself, How are you as a member of a team? Are you able to work well with people? We can always do more than we think we can."

Best Undergraduate Engineering Program Status.

Forty Students Enjoyed 2007 Engineering Summer Program

Summary of the Program

To provide an excellent opportunity for youngsters to explore the fantastic engineering fields and to learn how the fundamentals of chemistry, mathematics, and physics apply to engineering, Purdue Calumet hosted a Summer Engineering Program sponsored by AcerloMittal Steel Company. Forty students, varying from grades six to twelve, were selected based on their GPA in math and science classes and a short essay. Two high school teachers were also selected to participate in the program.

From July 9 to 27, students were exposed to various concepts in many fields of engineering, were informed about the vast opportunities available for an engineer, and were given hands-on experience in engineering labs as well as tours to several local outstanding engineering facilities, including ArcelorMittal Steel. The program has helped students to enhance their analytical abilities, equipping them with skills that they will carry on throughout their academic career. The exploration of engineering fundamentals also allowed the students to see practical applications of things learned in their high school classrooms.

Students, parents, and high school teachers expressed strong appreciation and satisfaction on the program during the closing ceremony held on July 27.

Words from Students

From the AMR Newsletter .....

ASPIRA Mirta Ramirez Computer Science High School, Chicago, IL

This summer seven Mirta Ramirez students attended a three-week engineering program at Purdue-Calumet. Students paid for this activity through hard work. Two students received scholarships from Purdue Calumet to attend. The other students received stipends from a Purdue alumni fund. Aspira provided the daily transportation.

The students explored the world of engineering with Dr. George Nnanna, a professor of engineering, and his staff. They worked in engineering labs and attended lectures by other professors. The students designed a vehicle using advanced three-dimensional CAD, participated in a simulated Mars landing and exploration, made stress-strain measurements on metal pieces to simulate bridge movement. They also analyzed electronic circuits they built and explored the world of nanotechnology. Teachers and counselors from ASPIRA Early College and Mirta Ramirez chaperoned. Mr. Shafer, science teacher at AMRCS, was one of four contributory faculty from Chicago area High Schools. Students received certificates, and AMRCS students were invited back for future pre-engineering events at Purdue Calumet. Furthermore, Mr. Shafer has been asked to help develop "early college" programs with PUC faculty.

Manufacturing/Robotics Laboratory

This lab is designed to provide higher-level students hands-on experience with modern manufacturing equipment and methods. The laboratory includes an industrial robot, two educational robots, a manufacturing cell consisting of several cutting machines, conveyer belts, a vision system, a rapid prototyping machine, and a coordinate-measuring machine. The laboratory introduces students to programming languages and applications to robots, CNC machines, and automated manufacturing systems.

New Curriculum

Introduction of Lego Robotics in Engineering Design for Freshman

A group of engineering faculty (H. Abramowitz, D. Gray, E. S. Pierson, N. Houshangi for robotics support, C. Apostoaia and Y. Siow) has received a Purdue Calumet Experiential Education Design and Development Award. The main activity is to add a stronger hands-on component with an industrial connection, based on the LEGO robots, to the Elementary Engineering Design (ENGR 190) course. Adding team projects using the LEGO Mindstorm kits serves to integrate electrical and mechanical concepts together and provide freshman an improved overview of what engineers do with realistic hands-on experience and industrial exposure. This change should significantly improve the curricula, and also provide a basis for experiential learning in more-advanced courses.

Recognized in U.S. News & World Report.

PURDUE UNIVERSITY CALUMET

Student and Alumni News

ArcelorMittal Scholars: Front Row: Eric Giboyeaux, Jacqueline Ullstam Back Row: John Pankey, Anthony Parini, Andrew Walker

Chancellor Scholars: Donald Dixon, Jacqueline Ullstam, and John Tessling

Tom Roesel, a Sophomore ME student, presents his research project to visitors from the Department of Energy

.

Prestigious Student Scholarships....

ArcelorMittal Scholarship

ArcelorMittal Steel Corp. has awarded $2,000 ArcelorMittal Scholar Awards to five Purdue University Calumet freshman engineering students. Recipients are: Eric Giboyeaux of Highland, Anthony Parini of Crown Point, Jacqueline Ullstam of Hammond, Andrew Walker of Cedar Lake, and John Pankey of Crete, IL, see the adjacent picture.

"The successful companies of the future will be the ones with the best talent," ArcelorMittal Vice President of Human Resources James Michaud said. "Investing in this partnership effort with Purdue University Calumet is part of our continuing effort to encourage bright young people to consider educational programs in engineering and technical fields. Our industry and this area will need them."

Recipients who continue to satisfy academic requirements can receive the award for up to four years. Consistent with a Purdue Calumet initiative to cultivate experiential learning opportunities, recipients also will partake in paid internships for two summers at ArcelorMittal Steel.

"We highly appreciate ArcelorMittal for this scholarship," Purdue Calumet Professor of Engineering, Head of the Department of Mechanical Engineering and Interim Head of the Department of Electrical and Computer Engineering Chenn Zhou said. "It helps attract high quality students, provide excellent experiential learning opportunities and contribute to a well qualified workforce critically needed in industry."

Chancellor Scholar Award

Three Engineering Freshman have received one of Purdue University Calumet's most prestigious scholarships, the Chancellor's Scholar Award for 2007-08. They are Jacqueline Ullstam, Donald Dixon , and John Tessling.

The award, intended for previous-year high school graduates, covers 100 percent of tuition and fees; 50 percent of living expenses at Purdue Calumet's student housing facility, The University Village, and a monetary allowance for books and supplies. It is

Featured Alumni.... Control Systems Engineer Jennifer Laffoon

(edited from www.calumet.purdue.edu/news)

Hard hats, red-hot steel, safety glasses, steel-toed boots, and buildings and machinery of prehistoric proportions; these offer a glimpse into the fascinating world of control systems engineer Jennifer Laffoon at Mittal Steel's #3 Steel Producing plant in East Chicago. Mittal Steel hired the 23-year-old Griffith native shortly after she graduated from Purdue Calumet in May 2006 with a baccalaureate degree in electrical engineering.

Laffoon said her love of math and science, and a desire for a career that would provide opportunities to continuously work on new projects, are what led to her choice of majors. Laffoon said she found the professors and the advisors to be, not only helpful, but also accessible. She credits Purdue Calumet Professor of Electrical Engineering David Kozel's classes for helping reveal how much she enjoyed computer programming.

Laffoon said every day on the job she uses the programming skills she learned in her Purdue Calumet classes. Laffoon continues to look to the future with her sights set on a master's degree.

More Demand for Qualified Engineers

Blooming Engineering Job Market

In responding to the blooming job market, engineering departments and engineering student organizations have invited companies to provide information sessions to engineering students. The following are two examples:

SWE Invited HP to Kick off the Fall on-Campus Recruiting Season

On September 20, PUC's student chapter of the Society for Women Engineers (SWE), kicked off the fall on-campus recruiting season by bringing Hewlett Packard to campus. 75 students attended the information session and more than twenty students interviewed for positions. HP plans to return in the spring to conduct more interviews.

ArcelorMittal Information Session

On November 6, students had a chance to learn about career opportunities with the world's number one steel company. An excellent presentation was given by several representatives from ArcelorMittal that reviewed what the company was about and where it was going. Participants were treated to a big screen presentation of the company, and were given an opportunity to ask questions and meet with ArcelorMittal representatives at the end. This event was sponsored by the Purdue Calumet student chapters of IEEE, SWE, ASME ,and SHPE.

LSAMP Award

This is an NSF program designed to encourage undergraduate students to do research in the programs of **STEM** (Science, Technology, Engineering and Math). Congratulations to Tyamo Okosum and Kelly Bany for their LSAMP award in the Spring 2008.

Undergraduate Research Awards

Every semester, Purdue University Calumet awards undergraduate students funds that cover expenses for research projects. Congratulations to the following engineering students for their *Undergraduate Research* awards

Fall 2007

- John Decker, Richard Hayes, Joshua Marlow, Joe Reblin; advised by Prof. Masoud Mojtahed.
- Daniela Dukleska, Bara El-Khouri, Vincent Mannarelli; advised by Prof. Dave Kozel.
- Erik Johnsen, Thomas Hagen; advised by Prof. Harvey Abramowitz
- Daniel Ratko; advised by Mr. Bernard Parsons

Spring 2008

- Muhammad Moin, Dayin Zhang, Qinyun Zhang; advised by Prof. Ed Pierson
- Yandong Tang, Xiangyu Gao; advised by Prof. Xiuling Wang
- Jeffrey Zwijack, William Durgan, Neil Osborne, Steven Hodge; advised by Prof. Donald Gray

Student - Faculty Collaboration Award

William Walker and Bin Wu, two graduate students in Mechanical Engineering, have received the Student-faculty Research Collaboration Award in Fall 2007 for their travel to a technical conference. They both presented papers in the 2007 ASME International Mechanical Engineering Congress & Exposition in Seattle in November 2007. Their research area is in the Computational Fluid Dynamics (CFD) simulations supervised by Prof. Chenn Zhou.

Graduate Spotlight

Fourteen graduate students participated in the annual graduate spotlight at the Calumet Center on November 9, 2007. Congratulations on the following students for their excellent oral presentations: Jaya Sundar Bhagavathula, Radu Mirsu, Christian Navarro, Zoltan Szekely, Lijian Sun, William Walker, Bin Wu, and Lin Yuan. The following students made poster presentations: Wendi Liu, Bin Wu, William Walker, Xiang Wu, Chang Xu, ZhaoJiang Xu, Zhenpeng Zhao, Lijuan Zheng.

Student Activities: Moon buggy, Mini-Baja, and Formula

Engineering students have participated in Moonbuggy (top) and Mini-Baja (bottom) national competitions for a number of years. This year, a new Formula competition team was added. The students not only gain hands-on learning and team work experiences, but also have a lot of fun. For more information or to join the teams, contact Bernard Parsons, Mechanical Lab Supervisor, at (219) 989-2668 or parsons@calumet.purdue.edu.

More Career Choices for Purdue Calumet Engineering Graduates.

PURDUE UNIVERSITY CALUMET

Faculty News

Prof. George Nnanna works with his students in the lab

Pro. Gray discusses research projects with his students

Pro. Hentea works with his graduate research assistant

PUC Water Institute

PUC Water Institute (PWI) was established in 2005. Dr. George Nnanna, Associate Professor of Mechanical Engineering, has served as Interim Director since Fall 2006. It consists of faculty members and research staff across multiple departments and schools. The mission of PWI is to conduct research and offer educational programs in water resources, and assist local, regional and state agencies, as well as the private sector in economic development and in resolving water-related issues. The PWI can provide an interdisciplinary approach to complex issues dealing with water efficiency, water quality, economy, and water security.

According to Chancellor Howard Cohen, "The Water Institute is a key element of Purdue Calumet's commitment to the economic development of our region. It brings together faculty applied research, regional partnerships and student learning through internships to help protect and develop one of Northwest Indiana's most precious assets: fresh water."

The research program is a crucial component of the Water Institute. It has focused on three main areas: Water Technology and Efficiency; Water Quality and Security, Planning and Economic Development; and Water-related Policy. The following are examples of the projects:

- Emerging technologies and approaches to minimize discharges into Lake Michigan,
- Development of sensor technologies
- Mathematical modeling of contaminant transport
- Predicting Northwest Indiana's water quality
- Validation of inductively coupled plasma spectroscopy (ICP):
- Wastewater reuse assessment in Northwest Indiana
- Raltson Street Lagoon Project

For more information, visit www.calumet.purdue.edu/pwi

PURDUE UNIVERSITY CALUMET water institute

Welcome Dr. Xiuling Wang

Dr. Xiuling, Assistant Professor of Mechanical Engineering. She was a research assistant professor in the Mechanical Engineering Department of University of Nevada, Las Vegas before she joined PUC in Fall 2007. She is teaching various courses in thermal-fluid area. Her research interests are: renewable energy, air quality, computational fluid dynamics and convection heat transfer, finite element methods and adaptive mesh techniques and numerical modeling for environmental transport. She is a member for ASME, AIAA, SIAM and Sigma Xi. She also chaired at technical meetings for ASME.

Selected Journal Papers:

- X. Wang, D. Pepper, "Application of an *hp*-adaptive FEM for solving thermal flow problems", *AIAA Journal of Thermophysics and Heat Transfer*, v21, n1, pp.190-198, 2007.
- X. Wang, D. Pepper, "Numerical Simulation for Under Floor Air Distribution System with Swirl Diffusers", *ASME Journal of Heat Transfer*, v129, pp. 589-594, 2007.
- D. Pepper, X. Wang, "Application of an *h*-adaptive FEM for Wind Energy Assessment in Nevada", *Renewable Energy*, v32, n10, pp. 1705-1722, 2007.
- X. Wang, D. Pepper, "*hp*-adaptive FEM simulations of viscous flow including convection", *Numerical Heat Transfer*, v51, pp. 491-513, 2007.

Distinguished Faculty.

Publishing Professors

Engineering professors are very active in publishing papers in journals and technical conferences. The following are selected publications:

- X. Yang, X. Wu, Z. Zhao, Y. Li, "Hand Tele-Rehabilitation in Haptic Virtual Environment", Proc. of IEEE International Conference on Robotics and Biomimetics, 2007
- N. Houshangi, "Establishing a Multidisciplinary Control System Laboratory", Proc. of ASEE 2007 Annual Conference, Division of Experimental and Laboratory-Oriented Studies, 2007
- Y. Kin, E. Roades, B. Parsons, K. Zahariev, A. Sutin, "Detection and Assessment of Aging Structural Damage Using Resonant Acoustic Spectroscopy", Proc. of 2007 ICU International Congress on Ultrasonics, 2007
- K. Gopalan "An Image Steganography Implementation for JPEG-Compressed Image," Proc. of the IEEE 7th International Symposium on Communications and Information Technologies, 2007
- K. Gopalan and S. Wenndt, "Speech Analysis using Modulation-based Features for Detecting Deception," Proc. of the IEEE 15th International Conference on Digital Signal Processing, 2007
- D. Kozel and C. Apostoaia, "Colored Noise Reduction Using Bark Scale Spectral Subtraction, Statistics, and Multiple Time Frames" Proc. IEEE Int. Conf. Electro/Information Technology, 2007
- A. G. Agwu Nnanna, "Experimental Model of Temperature Driven Nanofluid," Journal of Heat Transfer, Vol. 129, 2007
- M. Senta and A. G. A. Nnanna, "Design of Manifold for Nanofluid Flow in Microchannels, Proceedings of the ASME Int. Mechanical Engineering Congress and Exposition, 2007
- Gealt, Gerber, Tseng, Schoenbach, "Gene Regulation in E Coli in Response to Nanosecond Pulses," 108th ASM Meeting
- K. Gopal, S. Wenndt and D. Haddad, "A Method and Apparatus for Embedding Data in Audio Signals," U.S. patent No. 7,231,271, 2007
- David Kozel, James Devault, and Richard Birr, "Communication System with Adaptive Noise Suppression" US Patent No. 7,209,567, 2007
- Y. Zhang, R. Deshpande, D. (Frank) Huang, P. Chaubal, and C. Q. Zhou, "A Methodology For Blast Furnace Hearth Inner Profile Analysis", Journal of Heat Transfer, v 129, n 12, 2007

Externally Funded Research Projects

The following are on-going externally funded research projects listed by the project title, funded agent, and Principal Investigator during Fall 2007 and Spring 2008:

- "3D Visualization of Ternary Phase Diagrams", American Iron and Steel Institute, Harvey Abramowitz
- "Development Strategies for the Utilization of Indiana's Coal Slurry Ponds", from Center for Coal Technology Research, Harvey Abramowitz
- "Logistics Impact of Lead-Free Circuits/Components", from SAIC/NAVSEA Crane, Harvey Abramowitz
- "Municipal Solid Waste Characterization Study for Indiana", from Indiana Department of Environmental Management, Harvey Abramowitz
- "Keyword Spotting using a Fusion of Spectral, Cepstral and Modulation Parameters of Speech", Air Force Research Laboratory, K. Gopal
- "Effects of Planning and Course of Action Tool", Prologic, Don Gray
- "BOF Slopping Indexing System Development (Video Monitoring and Data Analysis)", ArcelorMittal, Toma Hentea
- "Inspection of damage, fatigue failure analysis and recommendations to improvement of the sonic tooling", Boart Longyear Co., Yulian Kin
- Comparison of the Fatigue Life of Competing Pin and Box Connection Thread Designs", Boart Longyear Co., Yulian Kin
- "Minimization of Blast Furnace Fuel Rate by Optimizing Burden and Gas Distributions ", DOE and AISI, Chenn Zhou
- "Wireless Energy Monitoring, Control and Optimization", from DOE, Robert Kramer
- "Highly Varying Load Coordination", ArcelorMittal, Robert Kramer
- "Coal Gasification/Liquification", Center for Coal Technology Research, Robert Kramer
- "Biological Production of Hydrogen", DOE, Robert Kramer
- "Ga-Al H Production", Purdue Energy Center, Robert Kramer
- "Emerging technologies and approaches to minimize discharges into Lake Michigan, " BP, George Nnanna
- "Purdue Calumet Water Institute," DOE, George Nnanna
- "Thermoelectric Refrigeration System," ASHRAE, George Nnanna
- "Benchmarking COMSOL 3.4", Nevada Energy and Environmental Systems, Xiuling Wang
- "Accurate and Real-time Deformation in Haptic Virtual Reality", National Science Foundation, Xialoi Yang
- "CFD Analysis of Reheating Furnace with Regenerative Burners", ArcelorMittal Steel, Chenn Zhou
- " CFD and FEA Thermal Stress Analyses of a triple-walled manifold", Hadady Corporation, Chenn Zhou
- "3D simulation of a chemical leaching tank at ArcelorMittal for improved solids suspension, from ArcelorMittal Steel, Chenn Zhou
- "Acquisition of Advanced Instrumentation for Fluid Flow and Particle Motion Research and Teaching at Micro to Macro Scales", NSF, Chenn Zhou
- "Evaluation of Erosion Patterns in a Blast Furnace Hearth Using a Computational Fluid Dynamics Model", Indiana 21st Century Research and Technology Fund, Chenn Zhou
- "CFD Modeling for High Rate Pulverized Coal Injection to Blast Furnaces", AISI and Indiana 21st Century Research and Technology Fund, Chenn Zhou
- "CFD models for transfer lines and overhead line", BP, Chenn Zhou

Dedicated to both Teaching and Research.

PURDUE
UNIVERSITY
CALUMET
DEPARTMENTS OF
ENGINEERING

ENGINEERING DEPARTMENTS
PURDUE UNIVERSITY CALUMET
2200 169TH STREET
HAMMOND IN 46323-2094

www.calumet.purdue.edu/engr

Important Dates

Final Exams for Spring 2008

May 5th to May 10th

Commencement

May 18th

Summer Early Registration

March 24th to May 30th

Summer Open Registration

June 2nd to June 6th

Summer Classes Begin

June 9th

Fall Early Registration

March 24th to July 18th

Fall Open Registration

August 18th-22nd

Fall Classes Begin

August 25th

Bulk Rate
U.S. Postage
PAID
Hammond, IN
Permit No. 1844

Stay Connected

Give us your e-mail to receive our e-newsletters or to send us your news:

engr@calumet.purdue.edu

We appreciate hearing from you. If you are graduate of the engineering program, please include your degree and the year you completed your studies.