

IET Informer



Volume 10 Issue 1

Morehead State University

Message from the Chair

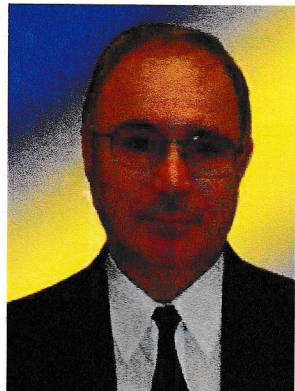
Preparing for the future!

Wow! Spring 2008 was a very exciting and productive semester for IET faculty and staff. We completed the campus wide curriculum audit along with a successful NAIT reaccreditation visit. The NAIT visiting team recommended full accreditation for 6 years.

The IET Department offers a Bachelor of Science degree in Engineering Technology & NAIT accredited Industrial Technology program in Construction Management, Computer Aided Design and Graphics, Electronics, Telecommunication & Computer Technology, and Manufacturing Technology. IET offers a Bachelor of Science degree in Industrial Education that prepares students to teach Technology, and Career & Technical Education. The AAS degree in Industrial Technology prepares individuals for technical positions that contribute to the development, production and support of complex technical systems.

IET faculty continue to improve academic programs to ensure that we extend higher education opportunities to all learners and stay on the leading edge of the profession. In order to meet the needs of KCTCS graduates for a "completer" program, IET developed and offers an online Bachelor of Science program in Technology Management (BSTM). We have established a 2+2 agreement with Sinclair Community College in Dayton, OH.

Continue on Pg 2



<i>New Faculty</i>	<i>Pg 2</i>
<i>Advisory Board Highlights</i>	<i>Pg 3</i>
<i>Students Scholarship</i>	<i>Pg 4</i>
<i>Alumni Highlights</i>	<i>Pg 5</i>
<i>Faculty News</i>	<i>Pg 6</i>
<i>Epsilon Pi Tau Honor</i>	<i>Pg 8</i>
<i>Student Organizations</i>	<i>Pg 9</i>
<i>Graduate Assistants</i>	<i>Pg 10</i>
<i>Company Interviews</i>	<i>Pg 11</i>



see Student Organizations on Pg9

Message from the Chair

The MSIT students have continued to contribute to the region's economic development. With the addition of new programs/laboratories and support of the companies represented by the Advisory Board, IET has proposed an Integrated Engineering program in order to stay on the cutting edge of the profession. We are planning to move forward to the next level.

Having completed the curriculum audit and NAIT reaccreditation visit, we will continue our program revision, accelerate our recruiting efforts, and enhance IET department's visibility. The merit-based Advisory Board Scholarship will help us to recruit a new cohort of better prepared college bound students who will have the potential to successfully function in local and regional corporations.

Industrial and Engineering Technology faculty members are experts in their discipline and they stay current in their fields. Our students continue to earn national recognition among their peers. The Robotics team ranked third at the 2005 NAIT convention, ranked second at the 2006 convention, and ranked first at the 2007 NAIT convention. MSIT students have conducted more than 24 theses in less than 5 years. Jennifer Carter (MSIT student) received NAIT's 2007 outstanding graduate student research award. Dr. Yuqiu You, currently the assistant professor of IET, has won NAIT's 2002 outstanding student research award as a former MSIT student.

IET graduates are well prepared for careers in their respective fields. They successfully function in a wide range of positions in industry, business, education and government. Systematic alumni surveys indicate excellent placement rates of IET graduates with local/regional/national industry and businesses.

Ahmad Zargari, IET Chair.

New Faculty Joins IET

Dr. Sadeta "Sally" Krijestorac joins the IET department this fall. She obtained her doctoral degree in Electrical Engineering from Florida Atlantic University in 2008. Also, she holds a MS degree in Computing Engineering and a BS degree in Electrical Engineering from Florida Atlantic University. Dr. Sally Krijestorac's dissertation topic is Passive Optic Networks.



Dr. Krijestorac has more than 15-years experience in industry. Her professional work experiences include contractor at Motorola at Plantation FL where she was responsible for testing various applications for wireless Motorola phones; principle member of technical staff at SIEMENS CARRIER NETWORKS, Boca Raton FL where she was responsible for providing internal coding interfaces in support of the various feature implementations on the EWSD PSTN; and Engineer at POST, TELEGRAPH AND TELEPHONE (PTT), Public Enterprise Belgrade, where she managed 25 member technical staff in testing equipment for sub-net implementation of X.25 Packet Switched Data Network. Provided engineering level

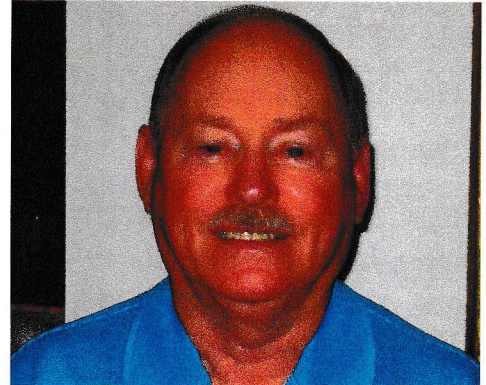
Dr. Krijestorac has more than 10-years teaching experience. She has worked as an adjunct professor at the Computer Science and Engineering Technology Department of Broward Community College Fort Lauderdale, FL. She also taught as a temporary instructor at Georgia Southern University (Georgia Tech. regional division) from 2005 to 2006.

OSHA Workshop at IET

The MSU student chapter of the Associated General Contractors of America (AGC) provided a Construction Safety & Health OSHA 10hr certification training Saturday, October 25, 2008. Ronnie Perkins, the director of U. S. Department of Labor, Safety and Education, instructed the course. The workshop was also sponsored by the AGC of Kentucky.

Advisory Board Highlights

James (Jim) LeMaster, is a Project Coordinator and Estimator for The Walker Company of Mt. Sterling, KY. The Walker Company is a multi-faceted General Construction and Construction Materials supply company. Originally, a love for flying drew him into his first career and the pursuit of flying brought him to Morehead State. At MSU, he earned enough college credit (1965-67) to apply for Officer Candidate and Flight School through the U. S. Army. Upon completion of Officer Candidate and Flight School and a tour in Vietnam, the Army sent him back to MSU to complete a Bachelors Degree in Industrial Technology (1972).



After a tour in Germany, it was back to MSU and completion of a Masters Degree in Industrial Education (1975). Later, during a second tour at Ft. Knox, KY he earned 16 hours toward a Doctorate in Business Organization and Management at the University of Louisville. He was named as the Professional Pilot of the year by the Association of Professional Pilots in 1975. James left the Army at this year and rejoined it at 1987.

Jim left the Army in 1975 to pursue a career as a corporate pilot and flew as a commercial pilot for twelve (12) years. During this time, the Association of Professional Pilots named Jim the Professional Pilot of the Year. It was at this time that he was asked by the Army to rejoin and assist the National Guard in a new R.O.T.C. initiative designed to entice college students into joining the NG and to become career Officers. Jim stayed with the Military and his last assignment gave him the opportunity to utilize his I.T. skills while working with the Design and Development arm of The National Guard Bureau in Washington, DC. In this assignment, Jim's primary job was to assist in the development of computer training for combat crews learning to man the new Abrams Main Battle Tank.

After completing 30 years service and 19,000+ flying hours and attaining the rank of Lieutenant Colonel, he retired from active service and returned to Morehead. Being too young to retire permanently, Jim learned that The Walker Company was initializing a new General Construction division in their company and needed an experienced person with management, print reading and estimating skills to fill the position of Program Coordinator/Estimator. Jim's daily duties include, but are not limited to, estimating the cost of building projects such as Schools, Courthouses, Churches and Bridges; coordinating the schedules of sub-contractors and material suppliers; monitoring project cost and budgets; assisting in-house supervisors with crew scheduling and safety; coordinating and training company personnel in the art of print reading and the interpretation of a project's scope of work; reviewing supplier's shop and assembly drawings for conformance to project specifications and scheduling supervisory staff continuing management and education training requirements.

As a member of the Department of Industrial & Engineering Technology Advisory Board, Jim feels that a collaborative group such as this is very important to the growth of MSU, the IET Dept, and the various industries they endeavor to support. With individuals of different backgrounds and experience from both the University and Industry that are willing to give constructive input, the IET Dept is able to glean first hand knowledge as to what skills are marketable and how to design and develop a curriculum to meet those needs. This approach allows the IET Dept the opportunity to design the student course load necessary to develop students that are fully qualified to be hired into the ever-changing Industrial Complex. The Construction Trades are a constantly evolving field and you must stay abreast of the technology and skills required to apply the technology in this competitive environment. Therefore, the cooperation and coordination between our Institutions of Higher Learning and Industry is paramount if today's student is to be successful. Jim is very proud of the strides the IET Dept has made, which is one of the many reasons he is glad to assist whether it is teaching a class, mentoring co-op students or advising individuals on career choices.

Student Scholarship

There are seven Graduate Students in IET that are working on or completing their Master Thesis this semester.

Arjunkumar Tummuri

is working on his thesis “ OPTIMIZATION AND STRESS ANALYSIS OF A SINGLE STAGE ROTARY COMPRESSOR”.

Devender Banne

is working on his thesis “ COMPARISON BETWEEN COAL FIRED BOILER AND NATURAL GAS FIRED BOILER AT MOREHEAD STATE UNIVERSITY POWER PLANT”.

Marc Beck

is working on his thesis “ REMOTE OPERATION OF THE VHF/ UHF SYSTEM FOR TRACKING AND CONTROLLING KYSATI”.

Pavankumar Kurmagadda

is working on his thesis “ DESIGN OPTIMIZATION OF ROLLING PISTON TYPE ROTARY COMPRESSOR”.

Prabhakar Rao Eluru

is finishing his thesis “ ANALYSIS AND EVALUATION OF EXISTING C- BAND FEED HORNS FOR APPLICABILITY TO THE 21 METER MOREHEAD SPACE TRACKING ANTENNA”.

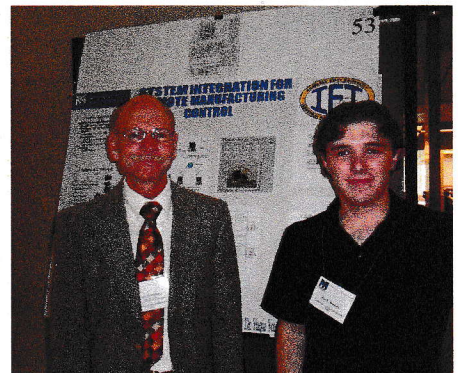
Santoshkumar Kurella

is working on his thesis “ EDDY CURRENT POROSITY DETECTION IN AR BLOCK”.

Siva Nanapaneni

is working on his thesis “ CONFIGURING A WEB SERVER MOTION CONTROL SYSTEM AND ITS NETWORK SELECTION WITH LAB VIEW”.

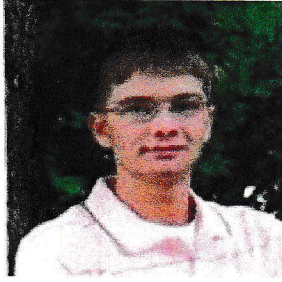
Joshua B. Bowes, a junior Manufacturing Technology student, was an Undergraduate Research Fellow in the academic year of 2007 - 2008. He worked with Dr. You on the research project of system integration of remote manufacturing. Mr. Bowes presented his poster at the Celebration of Student Scholarship, Morehead, KY, April 2008. Mr. Bowes also was a member of the IET Robotics Team, which has won the first place in the Robotics Competition at the National Conference of NAIT in October 2007 at Panama City, FL. The picture to the right was taken at the poster exhibition with Dr. Bruce Mattingly, Associate Provost for Research and Sponsored Programs.



Rashika Agrawal, a senior in Industrial Technology, is from Mt. Everest Nepal. She is an Undergraduate Research fellow and works with Dr. Jaby Mohammed in the area of reversible supply chain. The objective of this undergraduate research fellowship is to develop a simulation model for the recycling center at Morehead community center and to fit the model into the reversible supply chain for any recyclable products ranging from card boards to electronic and electrical equipment and also to provide a link between MSU recycling center and other recycling centers around the commonwealth and would help to fill the missing blanks. She is co-presenting with Dr. Mohammed at the upcoming Kentucky academy of science annual meeting in Lexington. Rashika is a member of NAIT, ABC/AGC, and cosmopolitan club. She is currently the president of the NAIT student chapter and was the past treasurer of the Cosmopolitan Club.



Student Scholarship



Jared May is a Governor Scholar and a junior in the engineering technology program in the department of Industrial and Engineering Technology. He focuses on computer aided design at IET and works as a Co-op at Grief plastics working on designing integrated grain storage system. His research interest is in functional design philosophies and works with Dr. Jaby Mohammed. Jared has co-authored a paper with Dr. Mohammed and Dr. Alavi ("CAD Applications in Knowledge Based Engineering" ISBN 978-1-60643-379-9) and is co-presenting at the Kentucky Academy of Science (with Dr. Mohammed and Dr. You, Lexington, October 31st- Nov 1st 2008), International Journal of Modern engineering (with Dr. Mohammed and Dr. Alavi, Nashville, Nov 18-19th),and at National association of Industrial technology (with Dr. Mohammed and Dr. Ali at Nashville, Nov 21st- 22nd). Jared is a student member of the SME, NAIT, KAS, and EPT. He holds the chapter secretary position for the SME student chapter at Morehead State University.

Alumni Highlights

Roy Gentry earned his Master of Science degree in Industrial Technology from Morehead State University in 2006. He also earned his Bachelor of Science in Industrial Technology with Electrical/Electronic Technology Area of Concentration from Morehead. Mr. Gentry has been employed by Mazak Corporation after his graduation from Morehead.

Roy Gentry's current position at Mazak is National Training Instructor. The job includes providing maintenance classes to customers as well as Mazak employees.



He is responsible for developing the curriculum for various classes. He is also involved in creating training videos for Mazak Service Engineers on various machine models. Before taking the position of Training Instructor, he was a Field Service Engineer and was mainly responsible for E-Machine installations. E-Machines are a line of Mazak's most complicated machines. They allow a customer to do a combination of milling and turning in the same setup.

Graduated with honors from George Rogers Clark High School in Winchester, KY in 1999, Mr. Gentry was also in OVC Commissioner's Honor Roll, and has been 4 year letterman on MSU Baseball team.

Faculty News and Activities

Dr. Rodney Stanley and Mr. Sam Mason received funding for their project, "Fort Boonesborough Museum Displays: An Interdisciplinary Student Project." The funding was through a grant from the MSU Center for Regional Engagement administered by the University's Institute for Regional Analysis and Public Policy. In addition to MSU funding, the Fort Boonesborough Foundation also made a contribution to increase the funds for materials necessary to build the dioramas.

The group is currently designing and building seven to eight dioramas which will be installed at the Fort museum to enhance the educational outreach to the public. The models will depict life at Fort Boonesborough, circa 1775, as well as, the siege of Boonesborough that occurred in September 1778 during the American Revolutionary War. The models will range to the scales from 10mm – 54mm and will include the siege, early homesteading, long hunters camp, canoe building, large scale 3D topography and an Indian village.

This project was a spin-off from another diorama that was developed for Blue Licks Battle Field State Resort Park Pioneer Museum directed by Rollie Hatfield, an MSU graduate along with Stanley and Mason. The diorama was unveiled for the 225th Anniversary and Commemorative celebration that ended the Revolutionary War in 1782 at Blue Licks Battlefield.

The project directors have also extended the outreach of this program to involve members of the community through a Continued Education Course free of charge to those who want to help, contribute and learn about Kentucky history. The unveiling of the dioramas will be in the Spring as the museum opens for the season of 2009. If anyone is interested in assisting and contributing time toward this educational effort, please feel free to contact Dr. Rodney Stanley at 606-783-2427 or Sam Mason at 606-783-9441.

Dr. William Gris  is a Co-PI of a EPSCoR funded research project for five years at \$12.5 million total. The Kentucky (KY) EPSCoR RII-7 (Research Innovation Infrastructure) proposal unites eight institutions, University of Kentucky, Berea College, Centre College of Kentucky, Kentucky State University, Morehead State University, Northern Kentucky University, University of Louisville, and Eastern Kentucky University, to continue the strategy of investing in infrastructure to develop Kentucky's New Economy by supporting research in Innovative Materials and Devices. This proposal has been funded by EPSCoR for five years at \$2.4 million total. As part of the grant, Kentucky EPSCoR will develop programs such as seed-funding that supports research at regional institutions and a program to involve diverse populations of Kentucky students in research will be supported through EPSCoR.

Dr. William Gris  is a Co-PI on the grant, and MSU's participation means that several students a year will be able to pursue funded research in novel materials both during the year and during summers at UK's new Center for Advanced Materials.

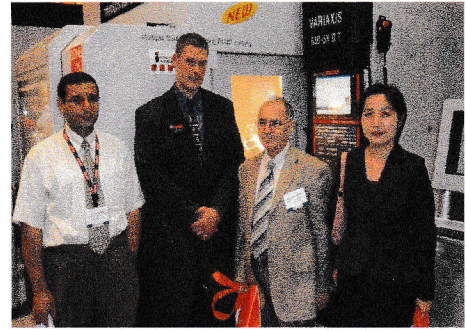
This project will pursue two major research initiatives. The first, an initiative in Innovative Materials and Devices is focused on studies of bulk single-crystal transition metal oxides and epitaxial thin films with complementary functionalities, and applications of multilayered thin films for molecular electrodes as well as for single-molecule magnets. These materials are potentially the next wave in ultrasmall electronics technology. The other part of the project will focus on engineering new platforms to enhance our understanding of a single cell or multiple cell type interactions between individual cells and cell types, and sensing at the molecular, intracellular and intercellular levels. A statewide Micro/Nano Network will advance micro/nanotechnology and the many fields that utilize this technology.

Dr. Ali Alavi and Dr. Jaby Mohammed and Mr. Jared May are going to present a paper, entitled The Application of Computer Aided Design (CAD) in Knowledge Based Engineering, at upcoming National Association of Industrial Technology. The conference will be held in November in Nashville, TN. Also, Dr. Alavi and Dr. Mohammed are writing a chapter on Quality Assurance with Project Management in Handbook of Research on Technology Project Management, Planning, and Operations. Dr. Alavi also attended university Open House in October for student recruiting activities.

Mr. Bob Cooper, the Lab and Facility Manager of IET, completed the Fluid Power Basics training at Amatrol, using the Amatrol 850 Pneumatics/Hydraulics trainer. He also attended the "Mazak Quick Turn Nexus Mechanical/Electrical Maintenance w/Fusion 640T" training for IET's Mazak lathe.

Faculty Activities

Dr. Ahmad Zargari, Dr. Wahed Wasel, and Dr. Yuqiu You, attended the International Manufacturing Technology Show (IMTS 2008) at McCormick Place, Chicago in September. The IMTS is one of the largest industrial trade shows in the world with thousands of exhibitors and over ninety-one thousand visitors. In the show, they were exposed to the most advanced manufacturing technologies in the world, and looked for equipments that could be integrated into IET's manufacturing laboratory. The faculty also met one of IET alumnus, Jason Fights, works for Mazak, at CNC machine exhibition.



Dr. Jaby Mohammed is currently the region III director for the National Association of Industrial Technology, the accrediting body for the IET programs. This past summer Dr. Mohammed worked with the Kentucky Governors scholar program teaching engineering at Morehead State University. This is the second consecutive year that he had worked with the governors scholars.

Dr. Mohammed presented (with conference proceedings) at the ASEE annual conference, Pittsburg, PA (Mohammed, J., Mason, S., Xialong, Li., 2008, "Departmental survival through collaborative industrial partnership" Proceedings for the 2008 ASEE annual conference, June 22-25, 2008, Pittsburg, PA and Gabriel, A., Mohammed, J., Yuqiu, Y., "Teaching engineering economy online in construction program", Proceedings for the 2008 ASEE annual conference, June 22-25, 2008, Pittsburg, PA), He will be co-presenting four presentations (presenting with Dr. Patrick, Dr. Wasel, Dr. You, Dr. Li, Dr. Alavi, and Mr. May) at the upcoming National association of Industrial Technology conference (20th-22nd Nashville), one presentation at the International Journal of Modern Engineering conference (18th- 19th, Nashville) with Mr. May and Dr. Ali, and has two presentations (With Dr. You, Mr. May, and Ms. Rashika) for the upcoming Kentucky academy of science annual meet in Lexington.

Dr. Mohammed also has two chapters accepted for the Handbook of research on technology project management of which one of the chapters is co-authored with Dr. Alavi.

Dr. Yuqiu You presented (with conference proceedings) at the ASEE annual conference, June 22-25, 2008, Pittsburg, PA (You, Y., Mason, S., Gabriel, A., 2008, "Development of a new curriculum for robotics interfacing engineering" and You, Y., 2008, "Development of an online laboratory for computer integrated manufacturing courses"). She also co-presented "Manufacturing remote control over a LAN network" at the 54th International Instrumentation Symposium of ISA with Dr. Fatehi from North Carolina A&T State University. She will be co-presenting three presentations (presenting with Dr. Ahmad Zargari, Dr. Jaby Mohammed) at the upcoming NAIT conference.

Dr. Wahed Wasel attended the Annual Career and Technical Education Summer Program, July 27-30, 2008, Louisville, KY, and Kentucky CTTE-UCC Conference, January 23-24, 2008, University of Kentucky, Lexington, KY. Dr. Wasel was funded with \$ 1,468 Grant from the Center for Teaching and Learning to attend the 2008 National CASTL Institute and \$2,400 From the Cabinet of Education with Dr. Joyce Wogoman, KY state to attend the 2008 KATC Summer program.

Dr. Wasel attended the True Colors Certification Training, Morehead State University, Morehead, KY in August 04-06 and Quality Matters Rubric for Online and Hybrid Courses, Morehead State University, Morehead, KY in January 8, 2008. Dr. Wasel will be co-presenting a presentation with Dr. Jaby Mohamed and Dr. Charles Patrick on Modified Teaching Method to Teach AutoCAD Course Based on Academic and Industrial Training Experience in November 2008 at the 41th annual NAIT convention. Dr. Wasel also served in SOAR program and Open House for student recruiting.

Dr. You will also present in the upcoming Kentucky academy of science annual meeting in Lexington on November 1st. Dr. You was funded \$2,813 by the university internal research grant on her research of Investigating the stability and efficiency of ADO modules in a web-based manufacturing control interface. She has published a paper "It's all in the LANs" on the InTech magazine of ISA. And a paper titled "A web-based integration module for manufacturing automation: procedure and analysis" was published in the Technology Interface journal, fall issue, 2008. She attended a Siemens workshop on mechatronic system integration in the summer of 2008.

Sixteen Initiated Into Epsilon Pi Tau Honor Society



Sixteen members of the Industrial and Engineering Technology department of Morehead State University were initiated into the Gamma Mu Chapter of Epsilon Pi Tau honor society during this year's Spring Banquet and Initiation ceremony on Saturday, April 12, 2008 at the campus of Eastern Kentucky University in Richmond, Kentucky. Those inducted included both faculty and students. Faculty members initiated were Dr. Gabriel Alungbe, Dr. Xiaolong Li, and Dr. Wahed Wasel.

Among the students initiated were Jared May, Rashika Agrawal, Richard Bloomfield, Linda Rhoden, Juan Carlos Melendez, Terry White, Cody Browning, Casey Collins, James R. Taylor, Joshua Payton, David Pence, Nathan Perkins, and Drew Henderson. Dr. Ahmad Zargari, chair of the IET department and Dr. Jaby Mohammed, chapter trustee was also present at the initiation ceremony.

Epsilon Pi Tau is the International Honor Society for Technology Professions. Epsilon Pi Tau has 19,000 members in the United States and 49 other countries. The organization promotes and recognizes the achievement of academic excellence, promotes the values and contributions of professionals in technology, provides a medium for the professional development and recognition of individual members for leadership and achievement, enhances the status of practitioners and the professions in technology, fosters and encourages the acceptance among its members of the ideals of technological capability and skill, social and professional proficiency, research and its applications and products, advances understanding, appreciation and awareness of technology as both an enduring and influential human endeavor and an integral element of culture.

The Gamma Mu Chapter is a very special Epsilon Pi Tau honor society. It is comprised of Morehead State University, Eastern Kentucky University, Northern Kentucky University, and Berea College. Under the leadership of Epsilon Pi Tau Region 2 Director, Dr. Robert E. Wenig, the four institutions met on August 14, 2007 at Berea College to establish the chapter.

Dr. Wayne Andrews, President of Morehead State University and a member of Epsilon Pi Tau was the guest speaker at the spring banquet and initiation. During the ceremony, President Andrews received the 2007 distinguished service award. The award is given to members of the Epsilon Pi Tau honor society in recognition of their meritorious professional service and dedication to the advancement of technology. The award received by President Andrews is the highest an Epsilon Pi Tau member can achieve.

During the President's keynote address he challenged the initiates to "know yourself", "have a positive attitude", "never stop learning", "work harder than everyone else", "surround yourself with great people", and "not to take themselves too seriously". Dr. Andrews used these six challenges, along with quotes from various authors and his personal experiences, to reinforce the speech's theme of "Leadership in a Complex World- Making a Difference".

Student Organizations



Morehead State University held their first official NAIT meeting of the fall 2008 semester on Tuesday, September 9th. Students discussed many different topics during this meeting. The main topic of discussion was potential fund raising activities. One of the fund raising activities that were decided on was NAIT nachos. This would consist of members of NAIT selling nachos one day of the week to the student body. Proceeds from the event will be used to fund the development of other NAIT chapter activities. Another discussed topic was the occurrence of professional development activities. The primary goal this year is creating the possibility for IET graduates to be eligible for being OSHA qualified individuals.

During the meeting student officers elections were conducted. Chapter members voted and the officers were elected as follow: Rashika Agrawal, President; James Taylor, Vice President; Daniel Jackson, Treasurer; and Zach Webb, Secretary. Special Thanks to: Charles Newland, Dr. Charles Patrick, and Bob Cooper. Bob Cooper was the first President of NAIT and has been an active associate of the NAIT foundation since the chapter was chartered. Charles Newland is the previous President of NAIT and Dr. Charles Patrick the former advisor of the chapter. This year there are many new members, all new officers and the new advisor for the NAIT chapter this year is Ali Alavi. Between all of our officers, faculty and staff, the NAIT chapter will be very successful and will be much more active this year, while promoting the NAIT vision throughout the university and the community.



The SME Chapter has been involved with the Lexington Chapter this semester. The Chapter has attended plant tours at Hitachi among various other events and meetings. The Chapter has also held game nights for the members to have fun and relax. Future plans include selling shirts and tutoring for SME certification.



The Associated General Contractors of America (AGC) and Associated Builders and Contractors (ABC) were established in 2006 mainly for the Construction Management Students. The members have competed the National Construction Management Competition held in San Juan, Puerto Rico by the ABC.



The IET Student Lounge had its grand opening on October 13th, 2007. Rashika Agrawal, the president of NAIT student chapter, James Taylor, the vice president, and their fellows, tried hard to make this happen.



The IET Robotics Team is working hard to build their robot for the coming competition at NAIT conference in November.

Graduate Assistants at IET

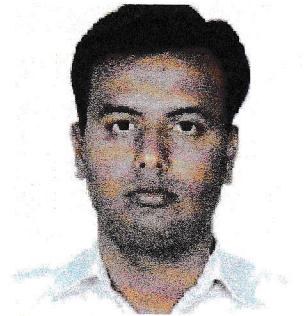


Arjunkumar Tummuri

Hello, this is Arjun, I am pursuing the master degree in industrial technology, and working in IET/CIS department as a Graduate Assistant. My native place is Hyderabad, A.P, India. I completed Diploma in Automobile Engineering from Sanjay Gandhi Memorial Polytechnic. I acquired Bachelors Degree in Mechanical Engineering from Vidya Jyothi Institute of Technology. Presently, I am working on my thesis "Optimization and stress analysis of a single stage rotary compressor shaft".

Pavankumar Kurmagadda,

Hello, I am Pavankumar kurmagadda, a Graduate student of Industrial Technology Department and also I am a Graduate Assistant in it. I have done Bachelor's of Technology in Mechanical Engineering from Vidya Jyothi Institute of Technology (Affiliated to Jawaharlal Technological University Hyderabad,India).I have also done Diploma in Mechanical Engineering from KDR Govt. Polytechnic college (affiliated by State Board of Technical Education and Training Andhra Pradesh, India).



James Taylor

Hello, my name is James R. Taylor. I am a Graduate Assistant in the Industrial & Engineering Technology department at Morehead State University. I am from Canada, KY—near Pikeville—and I attended Belfry High School. In May 2008, I graduated after achieving a Bachelor's of Science in Telecommunications/Computer/Electronics Technology from the IET department in the spring of 2008. After four great years in the IET department, I decided to stay a bit longer. I am now pursuing a Master's of Science in Industrial Technology. I expect to graduate December 2009, until then, I plan to work as a Graduate Assistant in the IET Dept. I am very proud to be a C.I.T. (Certified Industrial Technologist), a member and the vice president of NAIT, and a charter member of the Gamma Mu Chapter of Epsilon Pi Tau; the international honor society for **professions** in technology. I am also an advisor for the IET robotics team. I hope to have a productive and enjoyable experience working with everyone.



He Shi

Hello, I'm He Shi. I graduated in May 2002 with my BS of Computer Science and Technology from Shandong University of Science and Technology at China. Before I joined IET, I worked as an Engineer at the Computer Center of Taian Special Vehicles Manufacturing Company. Now I am a GA of IET and work as a teaching assistant in three classes (ITEC215, ITEC242, and ITEC345).

Jason Stepp

Jason received his bachelor's degree in Industrial Technology (Construction Management option) from the college of Science and Technology at Morehead State University in 2008 and continues to work toward attaining a Master's of Science in Industrial Technology Degree. After a two month employment as a Project Manager with Packs', Inc. Jason joined Frontier Housing, Inc. in June 2008 in the role of Construction Operations Specialist. He is responsible for the day-to-day management of operations associated with construction by working with contractors as well as Frontier's construction crew. His construction experience includes 10 years of experience as a general contractor in residential construction.



Company Interviews at IET

Mazak Corporation's Manager of Employment and Plant Services, Mr. George Harperink, visited MSU on Friday October 17 to interview 12 IET students for co-op and full-time employment. George is a founding member and past chair of IET Advisory Board. Based on the partnership agreement between IET Department and Mazak, the company provides professional development training for IET faculty and staff as well as co-op and employment opportunities for IET students. Currently 15 IET graduates hold engineering and technical management positions at Mazak. The company has recognized IET as their best employee provider.

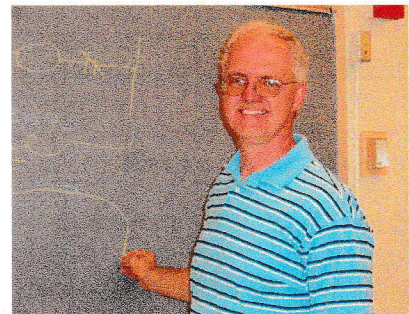
Mazak Corporation is the North American manufacturing, sales and support arm of the leading international machine tool builder, Yamazaki Mazak Corporation (Oguchi, Japan). Mazak Corp produces machine tools and systems for the precision machining of metal parts, including CNC turning centers, horizontal and vertical machining centers, multi-tasking machining centers, turnkey cells, and software solutions to help customers achieve lean, efficient manufacturing operations. For more information, please call Mr. George Harperink at 859-342-1782.

Performance Contracting Group (PCG) recruiter, Ms. Robyn Danbury, interviewed 12 Construction Management students on September 29 and 30, 2008. PCG, based in Lenexa, Kansas, is ranked 8th among the top 600 U.S. specialty contractors. PCG currently employs over 700 salaried professionals and 5,000 craftspeople. Over the past couple of years, Ms. Danbury has recruited in the IET department for both full-time project engineers and summer interns. During this time, PCG has hired 4 full-time and 5 summer interns. The salary base for IET graduates is in the upper \$40K and most have topped \$50K, all with a BS degree. These students are working in Kentucky, Georgia, and Nevada. The interns have been placed in Atlanta, Philadelphia, Boston, Lenexa (KS), and Lexington (KY) at \$15 per hour, free housing, and a \$1,000 bonus for completing the 8-week internship. In addition to the opportunities provided to our students, PCG has just donated \$2,000 to the IET department.

We are thankful to PCG leadership team and Robyn for taking interest in IET graduates and are proud of our graduates for their superior performance as they compete nationally with their fellow graduates.

Doug Thorpe Joins IET

Mr. Douglas G. Thorpe joins IET with 20-years experience in working with NASA and related research projects. He has worked in the Lockheed Space Operations Co. at NASA Kennedy Space Center from 1987 to 1992. From June 1998 to January 2001, he worked as a partner/manager at Thortek Automation of Irvine, KY. From July 2005 to August 2006, he worked as a chief engineer and president at Thortek Space Operations. of Irvine, KY.



Mr. Thorpe founded his own company, Thortek Laboratories, Inc. of Irvine, KY In February 1993. Thortek Labs is a research & development company that produces energy efficient and environmentally friendly products. Duties include: project manager and principal investigator in charge of all aspects of projects from conception to delivery; chief engineer supervising a department of 8 engineers and technicians: responsible for conceiving technical solutions, writing technical proposals & contracts, creating budgets & Gantt charts, directing CAD modelings, and negotiating contracts. Located appropriate subcontractors, and ensure subcontractors and project stay on or ahead of schedule and within budget. With the background as company president, principal investigator, and patent holder, Mr. Thorpe brings his knowledge and experiences to our students. Mr. Thorpe earned his BS in Engineering Physics with a Minor in BA of Chemistry and Mathematics from Eastern Kentucky University in 1985. He took 21 hours of graduate study from University of Central Florida, Orlando, FL. Now, he is pursuing his MS degree in IET.

What are you waiting for.....
visit us at www.moreheadstate.edu/iet

2003 Graduate Salaries
High - \$67,000
Average - \$48,000

50% have received a promotion since program completion

80% rate this program Good or Excellent

90% have FULL Time employment

A recent survey of our Alumni says:

Did you know.....?



Department of Industrial and Engineering Technology
210 Lloyd Cassity Building
Morehead State University
Morehead, KY 40351
www.moreheadstate.edu/iet