

## **Faculty Highlights – School of Technology – 2008-2009**

### **Industrial Technology Faculty**

#### **Rengdong Bai**

Assistant Professor, PhD., 2007, University of Kentucky

Attending 2008 NAIT (now ATMAE) Conference in Nashville

Participating the Publishing Scholars Reception on Wednesday October 8th from 3:00-5:30 in the University Ballroom

Course proposal INT 1323 "Computers for Applied Engineering and Technology" (with Dr. Guccione)

Being selected to attend 2009 Faculty Summer Institute at UIUC

#### **Kaninika Bhatnagar**

Assistant Professor, PhD., 2008, Eastern Michigan University

Brake, M. and Bhatnagar, K. (2008). "Gender Differences in High School Students' Views of Technology", refereed paper, American Society of Engineering Education (ASEE), Pittsburgh, PA Conference Proceedings, Accessible at <http://soa.asee.org/paper/conference/paper-view.cfm?id=8726>

Bhatnagar, K., Brake, M, Bellamy, Al, and Bertsos, G. (2008). "Choice of Technology majors among high school students". Advancing Women in Leadership, Online Journal on the Research of Women in Education (RWE). Accessible at

[http://advancingwomen.com/awl/awl\\_wordpress/choice-of-technology-majors-among-high-school-students/](http://advancingwomen.com/awl/awl_wordpress/choice-of-technology-majors-among-high-school-students/)

Bhatnagar, K. (2008). "Technology and Pedagogy: Digital material generation to supplement student learning in graduate seminar instruction: A case study of global technology course", accepted for presentation at ED-MEDIA 2009--World Conference on Educational Multimedia, Hypermedia & Telecommunications, Honolulu, HI, June 22-26, 2009.

#### **Rigoberto Chinchilla**

Assistant Professor, Ph.D., 2004, Ohio University

Chairman of the First School of Technology Student Research Symposium

Biometric security trainer for personnel of the Homeland Security Department (equivalent) of the Republic of El Salvador

Offered two seminars overseas : "Industrial Simulation" and "Design for Quality"

Graduated from the first "Online Course Development Institute (OCDI)"

Presenter in NAIT 2008: "Development of a Face Recognition Laboratory at EIU"

**Jerry Cloward**

Assistant Professor, M.S., 2005, Utah State University,  
Presented The Interaction of Students Online to Collaborate the Development, Design,  
and Completion of CAED Group Based Projects with Dr. David Melton at the annual  
NAIT Conference in Nashville  
Co-advisor to School of Technology Construction Club  
Received Redden grant for \$1075 Special Video Project  
Participated in the NOCTI (National Occupation Competency Testing Institute) Criterion  
Referenced Cut Score Project as an subject matter specialist for assessment evaluation

**Gabe Grant**

Instructor, MS., 2008, Eastern Illinois University

**Samuel A. Guccione**

Associate Professor, Robotics Laboratory Coordinator, Ed.D., 1992, Temple University-  
Philadelphia  
Received an ACA in the Teaching category.  
Presented paper at the IJAC-IJME International Conference in Nashville, Tn titled  
“Automatic Identification/RFID Course and Equipment for Teaching and Research”  
ISBN 978-1-60643-379-9 on November 19, 2008. Published in the Proceedings of the  
IJAC-IJME International Conference.  
Mentored SOT Departmental Honors student submittal of a proposal to the National  
Conferences on Undergraduate Research in LaCrosse, WI. Accepted for presentation at  
the conference on April 16, 2009.  
Member of Advisory Council of the Delaware Aerospace Education Foundation.  
Participated in the Second Annual Mid America Preparedness Fair at EIU, October 25,  
2008.

**Mahyar Izadi**

Chair and Professor, Ph.D., 1990, Southern Illinois University-Carbondale  
Certified Manufacturing Engineer  
Editorial Board: International Journal of Modern Engineering, Eastern Education  
Journal, Journal of Industrial Technology  
Chair, NAIT Accreditation Team to Ohio University  
Academic Technology Advisory Committee

**Peter Ping Liu**

Professor, Ph.D., 1991, Iowa State University  
Professional Registration or Certification:  
Professional Engineer (*PE*) in Mechanical Engineering, Illinois.  
Oracle Certified Professional (OCP) Oracle DBA.  
Certified quality engineer (CQE) by American Society of Quality Control.  
Certified senior industrial technologist (CSIT) by National Association of Industrial  
Technology.

Research Proposals Submitted:

National Science Foundation, Division of Undergraduate Education (DUE): Investigative Learning of Biometric Face Recognition Security Technology (Peter Ping Liu and Rigoberto Chinchilla)

National Science Foundation, Division of Research on Learning in Formal and Informal Settings (DRL): Face-to-Face: Investigative Learning of Biometric Face Recognition Security Technology by Teachers and Students Entering Fields of Science, Technology, Engineering or Mathematics (Peter Ping Liu, Rigoberto Chinchilla, Karen Drage, and Rose Z. Gong)

### **Tom McDonald**

Assistant Professor, Ph.D., 2005, Virginia Polytechnic Institute and State University  
Had the following article published: McDonald, T.N., Van Aken, E.M., Ellis, K.P., Koelling, C.P. (2009) Development and Application of a Worker Assignment Model to Evaluate the Impact of Increased Cross-Training in a Lean Manufacturing Cell. *International Journal of Production Research*. 47(9) 2427-2447.

Became a Certified Senior Technology Manager, certified through ATMAE (Association of Technology, Management, and Applied Engineering)

Will co-present with Dr. Guccione a Simulation Modeling Workshop at the 2009 National ASEE conference in Austin, TX.

Became Six Sigma Yellow Belt Certified.

### **Jim McKirahan**

Instructor, M.S., 1994, Eastern Illinois University

### **David Melton**

Assistant Professor, Ph.D., 2007, Utah State University

January 2009, Berkley, CA - ASEE- EDGD Conference. Journal Article and Presentation entitled: "Comparisons of Group-based and Individual-based Assignments in an Engineering Graphics Course within a Higher Education Learning Environment."

October 2008, Nashville, TN – NAIT Conference. Presentation entitled: "Computer-Aided Engineering Design Projects On-Campus or Off-Campus"

Fall 2008, Technology Interface Journal. "The American Drafter: Why use 1st angle projection in a 3rd angle world?"

October 2008, Attendance at the Mississippi Valley Technology Teacher Education Conference, St Louis, MO.

Instrumental in the obtaining of the Dimension SST 1200es – 3D Printer/Rapid Prototype Equipment

Instrumental in the setting up of a new 20 seat computer lab in Klehm Hall 4135 that will be used for both classroom instruction and a student open lab.

Instrumental in the Curriculum and Instruction development of the CNC Hardinge Bridgeport VMC 480P3 Machining Center course.

### **Luke Steinke**

Assistant Professor, Ph.D., 2006, Southern Illinois University-Carbondale

EIU Achievement and Contribution Award (Teaching)

Steinke, L. J. & Putnam, A. R. (2008). Influencing technology education teachers to accept teaching positions. *Journal of Industrial Teacher Education*, 45(2), 71-90.

Steinke, L. J., Fazarro, D. E., & Grant, G. J. (2008, November). *Implementing problem-based learning into multimedia technology courses: Reinforcing industries' needs*.

Presentation for the 2008 National Association of Industrial Technology Convention in Nashville, TN.

Editorial Board: Journal of Technology Studies and the Online Journal of Workforce Education and Development

Policy Committee Chair, Engineering and Technology Education Division – Association of Career and Technical Education.

### **Mori Toosi**

Professor, Computer Integrated Manufacturing Laboratory Coordinator, Internship

Coordinator, Ph.D., 1990, Southern Illinois University-Carbondale

### **Wafeek Wahby**

Associate professor, Construction Laboratory Coordinator, Industrial Technology

Coordinator, Ph.D., 1988, University of Alexandria, Egypt

Organized and co-chaired a technical session titled “*Innovative Use of Concrete*” at the *First International Conference on Recent Advances in Concrete Technology*, held in Washington, D.C., September 19-21, 2007.

Developed the *Construction Hands-On Training Workshops Series* through the School of Technology students' Construction Club to provide real life experiences to students through professional trainers in the construction industry. The first workshop was held on November 6, 2007 in the Construction Lab of the School of Technology and covered bricklaying and plumbing/pipe fitting and welding trades, presented by trainers from Lincolnland Building and Construction Trades Council of Effingham. The second workshop was held in March 6, 2008, and offered 12 training topics in construction trades.

Developing new web site <<http://www.eiu.edu/~sotcc/>> for the School of Technology Construction Club to disseminate information on the club activities and to help build a community of aspiring leaders in the construction industry locally and globally centered on creating an environment that fosters technical excellence and promotes better communication with people and management of materials and resources.

Producing “*Technology Research*,” a video production of a documentary of the Global Technology (TEC 5173) class (Master's of Technology program) featuring students' research papers. The DVD was broadcast on WEIU-Your 13, a local channel on the Consolidated Communications Digital Viewing Service. It is used as instructional material and would also benefit technology students and researchers. Work was completed through collaboration with CATS-EIU.

### **Mandy Wu**

Assistant Professor, PhD., 2008, Western Michigan University

Wu, Y. J., Fleming, P. D., and Pekarovicova, A. (2008). Quality Analysis of Gravure Spot Color Reproduction with an Ink Jet Printer, *Journal of Imaging Science and Technology*, 52 (6), 060501–060501-9.

Wu, Y. J., Lovell, V., Pekarovicova, A., Fleming, P. D. & Joyce, M. Color Capability of Ink-jet Coating, paper was accepted to be presented at the 61th TAGA Annual Technical Conference, New Orleans, LA, March 15-18, 2009.

TAGA Student Chapter Advisor

Obtain newest ColorProof RIP software and print media donations from GMG America.

## **Career and Organizational Studies Faculty**

### **Bruce K. Barnard**

Instructor, M.S., 2004, Eastern Illinois University

Workshop Presentation, 4-26-2008, Coaching Strategies and Appreciative Interviewing  
Mental Health Center of Champaign County

Conference Presentation: 9-17-2008, Appreciative Inquiry: Managing Change in  
Turbulent Times, Residential Developers, Champaign IL

Conference Presentation: 1-15-2009, Law Enforcement Crisis Responder Training  
Substance Abuse and Mental Health Crisis Response, East Central Illinois Police  
Training Project

Treasurer, Greater Community AIDS Project, Champaign

### **Thomas Hawkins**

Associate Professor, Career and Organizational Studies Coordinator, Ed.D., 1995,  
University of Illinois-Urbana

Co-Leader for Sarah Bush Lincoln Health Center's Leadership Academy

Presentation on "Outcomes-Based Planning for Non-Governmental Organizations" to  
The Iowa Conference.

Presentation on "Coaching Strategies for Supervisors" for Mental Health Association of  
Champaign County conference for mental health professionals

### **R. Lance Hogan**

Assistant Professor, Ph.D., 2005, Southern Illinois University-Carbondale

Hogan, R.L. (2009). Assessment of technology graduate students' preference style  
utilizing Myers-Briggs Type Indicator®. *Journal of Industrial Technology*, 25(1), 15-27.

Hogan, R.L., & Garling, N. (2008). Bortz's learning module: An alternative approach to  
training program curriculum development. *The Journal of Human Resource and Adult  
Learning*, 4(2), 1-9.

Presentation: Hogan, R. L. (2009). "Training Program Evaluation: Using the Latest  
Technology to Effectively Evaluate Learning Transfer." Presented 02/18 at the Society  
for Applied Learning Technologies National Conference, Orlando, FL.

**Deborah A Woodley**

Professor, Assistant Chair, Ph.D., 1994, University of Illinois-Urbana  
Designed a pilot study with Sue Songer in the Office of International Programs on effective ways to increase English usage skills of international students in the School of Technology.  
Photographer and designer of membership book for 1<sup>st</sup> Presbyterian Church, Charleston, Illinois. Designer and editor of School of Technology 2008 Newsletter.  
Completed EIU Leading Edge and OCDI training.

**Diana Wyatt**

Assistant Professor, M.S., 1995, Eastern Illinois  
National Career Development Facilitator Certification. Credentialing sponsored by the National Career Development Association.

**Career and Technical Education Faculty****Julie Chadd**

Assistant Professor, CTE Coordinator, Ph.D., 2003, Southern Illinois University-Carbondale  
Editorial Board, *Journal of Applied Research for Business Instruction*, 2006-2008  
Presenter, Delta Pi Epsilon National Conference and Illinois Business Education Association's Fall Conference, November 2008  
Recipient, Achievement and Contribution Award – Service Category, Fall 2008  
Recipient, Outstanding Collegiate Teacher of the Year Award, Illinois Business Education Association, Fall 2008  
2<sup>nd</sup> Vice President, Illinois Business Education Association, 2008-2009

**Karen Drage**

Assistant Professor, Ph.D., 2005, Southern Illinois University-Carbondale  
President of the Eastern Illinois Business Education Association  
Secretary of the Illinois Business Education Association  
Illinois Membership Director for National Business Education Association  
Hospitality Director for the National Business Education Association 2009 Conference  
Article titled *Modernizing Career and Technical Education Programs* published in the May 2009 issue of *Techniques*, Association of Career and Technical Education