

### Consortium Universities

Bowling Green State University

East Carolina University

Indiana State University

North Carolina A & T State University

University of Central Missouri

### Featured in this issue

- Dr. Shofoluwe
- North Carolina A & T State

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## Meet our Recent Graduates...

**Dr. Alireza Alavizadeh** specialized in Manufacturing Systems while working with her home institution of Bowling Green State. Alireza successfully defended her dissertation, *“Case Studies on Usage of Axiomatic Design Methodology in the U.S. Industries.”* The case studies assisted Dr. Alavizadeh in her pursuit of professorship at Morehead State University.

**Dr. Brian B. Balzer** chose Manufacturing Systems as his specialization, working with Indiana State University as his home institution. Brian successfully defended his dissertation, *“Impact of a Microwave Curing Process on Tensile Strength of Selected Carbon Fiber*

*Composites.”* Currently, Dr. Balzer is the president of BEI Management.

**Dr. Thomas Burns** specialized in Construction Management through his home institution of East Carolina University. Thomas successfully defended his dissertation, *“The Effect of Selected Request for Information Variables on Steel Fabrication Outcomes.”* Currently, Dr. Burns is the Program Chair of Civil Engineering Technology at Cincinnati State Technical & Community College.

**Dr. Zaki Kuruppilil**, another graduate specializing in Manufacturing

Systems, also worked with Indiana State University as his home institution. Zaki successfully defended his dissertation, *“Leanness and Agility in Job Shops: A Framework for a Survey Instrument Developed Using the Delphi Method.”*

(continued p.2)



## Celebrating 10 Years!

The PhD in Technology Management Program is celebrating its tenth year of existence. Created in 1998 and launched soon thereafter, the Program has grown into a dynamic research and study option for those who wish to de-

velop advanced scholarship skills in technology management, construction management, digital communication systems, manufacturing systems, quality systems or human resource development and training.

Currently, 150 students participate in the program and the number of our graduates stands at 41 and is growing. More reflection on the evolution of the program in the next issue.

## Meet our Recent Graduates cont.

Dr. Kuruppilil chose this study to aid in his pursuit of faculty status with The Ohio University.

**Dr. James Maxwell** worked with Bowling Green State University as his home institution while specializing in Human Resource Development. James successfully defended his dissertation, *"The Relationship Between Technological Entrepreneur Type and Use of Innovative Technology."* Dr. Maxwell began serving as Dean, Dauch College of Business and Economics, Ashland University, July 1, 2008.

**Dr. Kenneth Lewis, Jr.** specialized in Digital Communication Systems at his home institution

of East Carolina University. Kenneth successfully defended his dissertation, *"The Development of an Accuracy Compliance Model for Enhancing Location Accuracy in E911 Phase II."* Dr. Lewis is vice-president of Information Technology at Vance-Granville Community College.

**Dr. Mark Revels** chose to work with Indiana State University as his home institution to specialize in Human Resource Development. Mark successfully defended his dissertation, *"The Learning Impact of Computer Mediated Communication on Computer-Based Training."* Dr. Revels is currently assistant professor in the Computer Information Systems department of Western Kentucky University.

**Dr. Fred Rice** also chose Indiana State University as his home institution while working to specialize in Human Resource Development. Fred successfully defended his dissertation, *"Online and Face-to-Face Student Attrition at a Wisconsin Technical College."*

### Additional 2007 Graduates

**Dr. Bashar Haddad.** Specialization in Construction Management.

**Dr. Timur Mirzoev.** Specialization in Digital Communication.

**Dr. Milos Krsmanovic.** Specialization in Digital Communication.

Vernon Morris

## From the Director

Welcome to the inaugural issue of the PhD in Technology Management Newsletter. We have established this newsletter in order to better communicate information about the PhD Program to alumni and those currently involved. In addition, we would like to communicate to those interested in becoming students in the Program. We are always interested in bright, hard-working individuals with an orientation toward scholarship and research in technology management and one of our specializations.

Our plan is to publish a newsletter issue during the fall and spring semesters.. Three current students have been selected to serve as Co-Editors of the newsletter. You can learn more about them in another section of this issue. Each, year, three new students will be selected

from those who have participated in the Doctoral Residency Seminar. If you have an interest in serving in the capacity, beginning spring 2009, please email me at [gmaughan@indstate.edu](mailto:gmaughan@indstate.edu)

Thank you for being a friend of the PhD in Technology Management Program.

Dr. George Maughan

## Human Resource Development & Industrial Training Specialization Update!

Faculty are focusing on their attention to course content, sequence and course numbering in the specialization. Encouraged by the trend for HRD specialists with an orientation toward scholarship and research of playing an interregal role in organizations' strategic efforts, the faculty is evaluating course content and research trends

in the field.

Recent student research mirrors a number of trends in the field. The use of electronic means to deliver teaching in business, industry, and government is increasing, raising questions on alternative delivery modes and the cost/benefit and learning effectiveness of such technologies.

In addition, topics of performance enhancement and measurement are becoming dominate in the field. For those in global organization, knowledge of cultural competence is becoming more important in training and development efforts associated with transfer and management.

***Dr. Musibau Shofoluwe***  
***NC A & T PhD Program Campus Coordinator***

*One of the PhD Campus Coordinators will be profiled here in each issue*

*Patricia Polastri*

Currently, Dr. Shofoluwe is a Professor of Construction Management at North Carolina A&T State University. His professional career started in 1980 with the Nigerian Ministry of Economic Planning and Land Matters as a Technical Building Officer. His responsibilities included the planning and execution of land development activities, including land use and approval processes.



Upon completion of his first graduate degree from Pittsburg State University, Dr. Shofoluwe accepted a teaching position as an Assistant Professor of Construction Engineering Technology with Grambling State University, Louisiana. After six years on the job, he earned his Doctorate of Industrial Technology degree in 1992 at the University of Northern Iowa, specializing in Construction Management. He joined the faculty of the School of Technology at North Carolina A&T State University in 1992 as an Associate Professor of Construction Management.

He was appointed the PhD Coordinator for the Consortium degree in 2004.

Dr. Shofoluwe received the prestigious North Carolina Board of Governors Award for Excellence in Teaching in 2001. He remains active in undergraduate and graduate teaching, research and service.

In addition to academic degrees, Dr. Shofoluwe is a North Carolina State Licensed General Contractor and Home Inspector, a 203K HUD Certified Consultant (Dept. of Housing & Urban Development), and OSHA Authorized Trainer (10 & 30 hour) for the Construction Industry.

Most Recent publication:

Cho, Chung-Suk, Shofoluwe, M.S. & Rikard, C. (2006). Integration of LEED Concepts into a CM Program. *NAIT 30th Annual Convention*. Cleveland, OH. (Refereed)

## **North Carolina A & T State University**

The School of Technology at North Carolina A & T State University is one of seven schools and colleges on campus. The school offers baccalaureate and graduate programs in the areas of Construction Management, Electronics and Information Technology, Graphics Communication Systems and Technological Studies, Manufacturing Systems, Technology Education, and Motor Sports. The School of Technology is the number one producer of African

Americans with Baccalaureate degrees in Technology.

Last fall, Dr. Ben Uwakweh joined the School as its new Dean. Dr. Uwakweh was a former Head of the Department of Construction Science at the University of Cincinnati, Ohio. Since joining the School of Technology, Dr. Uwakweh has taken some bold steps that would prepare the School toward becoming the premier School of Technology in

the nation. Some of the planned initiatives include development of new graduate programs, recruitment of top-notch research-capable faculty and creation of international programs to attract foreign graduate scholars.

The School of Technology is one of the top producers of research dollars on campus.

## **Quality Systems Specialization Update: Quality Systems Assessment Project (QSAP) As a Research Focus.**

The mission of the Quality Systems Specialization (QSS) is preparing professionals for leadership roles in quality. The QSS program is dedicated to providing people with corporate leadership abilities and faculty for the profession.

The QSAP has exciting potential as the basis for a system of quality for the quality specialization. Several presentations related to this work are proposed and planned for this Fall's NAIT conference.

The project also has two more interesting potentials as a base for funding and as a focus for students to guide their dissertation research. This effort has an interesting history. Drs. Woolsey, Sinn, and Rodchua are near completion of a paper entitled, "Technology Management Consortium Assessment: Evolving Continuous Improvement in the Quality Systems Specialization." This paper reports what has been developed and used for the assessment of the QSS specialization. In part, it represents the culmination of work done with other specializations at ISU in the summer of 2007.

*Eugene Sabo*

## **Digital Communication Specialization**

The digital communication specialization offers advanced study in technical and managerial aspects of the field. This includes the design, development and analysis of electronic and digital systems. This specialization area has the largest number of students in the PhD Program.

## **New PhD Program staff person at ISU**

*Eugene Sabo*

Mary "Mebby" Griffy joined the PhD in Technology Management Program as an Administrative Assistant, February 2008. She works directly with Dr. Maughan in the College of Technology at Indiana State University. Mebby helps students and faculty to navigate the complexities of the program. Her experience includes, but is not limited to working with undergraduate orientation, parent programs, distance programs, retention/probation/dismissal programs, and undergraduate consortium initiatives. Motivation for the move to the PhD in Technology Management stems from the fact that Mebby intends to complete her MS degree in Human Resource Development fall of 2008.

## **Manufacturing Specialization**

Using technology for the production of goods and services is a fundamental part of the human endeavor. Manufacturing, which is vital to the economic health of the nation, is one of the primary areas of study in technology. The competitive aspects of the global economy are also forcing rapid changes in manufacturing. To meet these challenges, manufacturers need capable and talented individuals in leadership positions in technical programs within universities as well as in businesses. Courses in the specialization include integrated automation systems, modeling and advanced planning and system evaluation for manufacturing.



John T. Myers College of Technology  
Indiana State University

## Construction Management: The pace of change

The pace of change in the building design and construction industry dramatically and significantly effects society. Trends of change that are developing into paradigms to be included in the Construction Management Specialization curriculum, include: Building Information Modeling (BIM); "Green" Building, LEED certification and Accredited Professional (AP), advanced construction technologies (software, construction materials, construction equipment, construction methods, energy, etc.) and Integrated Contract Delivery Approach.

The Construction Management Speciali-

zation curriculum has evolved over the life of the Ph.D. in Technology Management degree to include and stay ahead of the developing paradigms that affect professions related to construction management. The Construction Management Specialization curriculum is going through a review for possible changes (scope, number of Construction Management courses, etc.) to meet the needs of prospective professionals seeking their Ph.D. degree; while, providing knowledge needed in academic and professional Construction Management related occupa-

tions.

Many Construction Management faculty members have been involved in the evolution of the Construction Management Specialization over the years. The specialization recognizes outstanding faculty members that have retired: Jack Landers and Douglas Kruger. A true value can't be placed on the academic and professional contributions these faculty members made to the Construction Management Specialization.

## Campus News

*Patricia Polastri*

**Bowling Green State University** (BGSU), College of Technology has 11 faculty with Graduate Faculty status at Indiana State University, that represent all five specializations. There are five PhD Fellows working with the College in various opportunities. These individuals are Eric Castle (Digital Communication), Niccole Chandler (Human Resource Development and Training), Pat Hanley (Quality Systems), Joseph Mainoo (Digital Communication), and Anthony Mutai (Construction Management). Seven BGSU faculty attended and participated in the Summer Faculty Workshop at Indiana State.

**Indiana State University** College of Technology has seen a recent change in PhD Program Campus Coordinator. Longtime PhD Campus Coordinator, Dr. Gerald Cockrell, has stepped down from this role to pursue research opportunities associated with an NSF

Grant. His replacement, Dr. Marion Schafer has been a PhD faculty member for many years and has taught in the manufacturing systems and packaging area. Dr. Schafer is planning for a productive year as ISU's Campus Coordinator.

**University of Central Missouri**, School of Technology, as a proud member of the ISU Ph.D. in Technology Management consortium, is pleased to announce that three doctors were hooded at the May 2008 graduation ceremony conducted in Warrensburg Missouri.

The graduates consisted of: Dr. Richard Bruce (Construction Management), Dr. Troy Ollison (Manufacturing Management), and Dr. Jeff Ulmer (Manufacturing Management).

Dr. Bruce is a former faculty member at UCM and both Dr. Ollison and Dr. Ulmer teach in the UCM

Industrial and Engineering Technology undergraduate and Industrial Management and Technology graduate programs.

The School of Technology's role at UCM for Consortium Ph.D. students is to facilitate student success in reaching their career goals in industry, government, or education. As consortium members for the doctorate degree in technology management, School of Technology faculty strive to provide students with skills in research procedures, expertise in instructional processes, personalized attention to program of studies considerations, and service opportunities to the industrial and educational community.

More in depth commentary on the Ph.D. program can be found at <http://www.ucmo.edu/x73985.xml> and <http://web.instate.edu/ConsortPhD/>

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**Opinions expressed by the columnists do not necessarily represent those of the PhD in Technology Management Program, Program students, Faculty, Staff, or the PhD Consortium Universities..**

#### **Co-Editors profiled:**

**Gene Sabo** was admitted to the PhD program in 2005. Gene practices as a chemical engineer, holding licenses in 11 states. He is a certified lean Six Sigma Green Belt.

**Patricia Polastri** was admitted to the PhD program in 2007, specializing in Manufacturing Systems.

**Vernon Morris** was admitted to the PhD program in 2003, specializing in Quality Systems.

We're on the Web

<http://www.indstate.edu/consortphd/>

## **General Program News**

The PhD in Technology Management Program has just reached its ten year anniversary. Approved in 1998, the Program has had many successes. From the few graduates early on, to a healthy average of about eight graduates per year, the Program has slowly built a solid foundation. Still a relatively new Program, it has hit its stride as a PhD Program with the unique aspect of focusing on technology management while offering five technical specializations.

The Program has shown its robustness by growing stronger amid changes in consortium membership and program leadership. With about 150 active students, the Program remains an attractive destination for those seeking an advanced degree in the area of technology management. These students are served by approximately 50 graduate faculty members across our consortium of Bowling Green State

University, East Carolina University, Indiana State University, North Carolina A & T State University and University of Central Missouri.

Indiana State's PhD in Technology Management Program has been designated a Program of Regional Distinction, as part of the university's Distinctive Programs Initiative. Funded in part by a gift from the Lilly Endowment, the initiative is intended to strengthen programs with national or regional reputations for quality and build programs that have the potential to achieve that status.

As academic programs mature, they tend to reflect on issues important to their students, faculty, universities, and the professional areas in which they serve. This healthy response to success is occurring within the PhD in Technology Management Program. Our reflection

becomes even more important as we move from our first decade to future decades in which technology will play an exponentially powerful role across the globe. Industry, educational institutions and government, as well as communities and individuals will be faced with important decisions about the creation, management and impacts of technology. We are confident that our PhD in Technology Management Program will continue to engage these critical issues and provide skilled professionals capable of working toward positive solutions for us all.

Please watch for future information about our 10 year anniversary celebration. Well done.