



## On - CITE

# Meet the CITE Personnel: Dr. Kathleen Miezio

*We would like to provide you the opportunity to become more familiar with the faculty in the College of Information Technology and Engineering, and so occasionally we will provide personnel profiles to you. In this issue Dr. Kathleen Miezio is profiled in her own words.*



I was not very interested in safety as a profession - or even an obsession - as a child, but I was exposed to the idea of occupational safety and health by my father who was an industrial engineer. He was obsessed with safety in the workplaces he designed in the 1950's and 1960's and vigorously supported the concept of federal safety standards for workers. During my formative years, my family had a great fondness for Gaylord Nelson, the Wisconsin senator who was the force behind EPA and also implementing Earth Day. However, there was a special reverence in my family for Hubert Humphrey, a Minnesota senator and then Vice President, who introduced occupational safety and health legislation federally year after year until the legislation passed in 1970. These progressive politicians are literally the reason why I have a job today.

I grew up in Wisconsin, and attended the University of Wisconsin, Madison (UW) and received a Bachelor's degree in Education. I took time off from the workforce when I graduated and had children. However, just for fun I always took graduate classes because the tuition in those days was inexpensive. When my marriage broke up, I needed to find a way to make a living. This was in 1983 when OSHA and EPA were being downsized. I knew that what goes down also had to go up, so I gambled that Occupational Safety would offer me an interesting and ethically satisfying way to make a living. I completed a Master's of Science in Health and Safety Education at UW and then I discovered Industrial Engineering. I was admitted into the College of Engineering, and subsequently completed a doctorate in Industrial Engineering. I finished with a minor in Educational Psychology - Statistics., which was a surprise to me!

I have realized a dream: to teach in a university, and to talk about a subject that has become a passion: safety. My specialization is ergonomics, which are the design factors that make a

workplace or process safe and efficient. Since the most common and most expensive injuries in the workplace have ergonomic risk factors, ergonomics is currently a very hot topic.

I accepted the position at Marshall after teaching at three other schools with accredited Occupational Safety programs: Indiana State University, Illinois State University and Indiana University of Pennsylvania. I was looking for a high quality academic program with a lot of administrative support. I also wanted to teach small classes. I wanted to work with teachers who respected each other and their students, and since I already knew the faculty in the Safety Technology program at Marshall, I accepted a faculty position. It is my hope to get the word out to women that safety is a great field and engineering is not limited by gender.

Marshall has been good for me; I have had the chance to help revise the graduate curriculum, design and teach new courses, and work with other Marshall departments and faculty.

Inside this issue:	
Exploring Engineering Academy	2
SFT 235 - Introduction to Safety (International)	2
Summer Tuition Deadlines	2
Summer Courses - Insert	
Graduate Offerings in Portsmouth, OH	3
Commencement	3
Graduate Hooding Ceremony	3
Summer Course Descriptions	4
Course Registration on the Web	6

As for my personal life, I spend a lot of my time knitting, reading murder mysteries and traveling. I have been able to conduct ergonomic seminars in Peru through a contact with Dr. Szwilski, Division Chair. I have two grown children, a daughter in Madison Wisconsin, and a son who is in his first year of university teaching in Korea.

## Exploring Engineering Academy



Marshall University and the College of Information Technology and Engineering will host the fourth annual Exploring Engineering: Academy of Excellence (EEAE) this summer. The Academy will take place June 20 through June 25 on Marshall's Huntington Campus. We are especially excited that students participating this summer will be staying in suites located in Marshall's new dormitories – University Commons – which just opened last fall.

The Academy is designed to encourage high school students to explore engineering as a career by

participating in hands-on engineering activities, touring engineering-related facilities, and interacting with practicing engineers.

Planned activities for 2004 include designing and building catapults, CO2 cars, and Lego robotics; field trips to Toyota Manufacturing and other facilities; and countless opportunities to interact in a creative environment with faculty, professional engineers and other students. On the opening day, students and their families will also hear a

presentation from engineers who “reach extreme heights” in their practice of engineering.

EEAE is free to qualified students and made possible only through the generous support of the Nick J. Rahall II Appalachian Transportation Institute, Society of American Military Engineers Huntington Post, Learning for Life and many other organizations and individual engineers who have committed time and money to promote the engineering discipline to high school students. Please take time to visit our Academy sponsors listed on the EEAE web site [www.marshall.edu/eeae](http://www.marshall.edu/eeae).

## SFT 235 - Intro to Safety (International)

Accidents are a major global problem, causing large losses of life and sapping valuable economic resources from countries. Course will cover the major issues and concerns of the global accident problem; how other countries are developing specific accident countermeasures and prevention methodologies to reduce and prevent future accidents/disasters from occurring; how the economic aspects of accidents cross all political and social barriers between different cultures. Course is being taught by Dr. Allan Stern during Session C (6/7 - 7/9) on Monday through Friday from 2:00-3:45 pm. Dr. Stern can be contacted at 696-3069; email: [stern@marshall.edu](mailto:stern@marshall.edu).



## Summer Registration - check the class dates carefully!

**Monday, 3/29** Advance registration is open to all currently enrolled students

**Monday 4/5** Advance Registration is open to all admitted/re-admitted students

Consult the schedule below for registration deadlines, which will vary depending upon the summer session(s) for which you register. Please note that the MU Summer Schedule contains a complete calendar of dates and deadlines.

### Session B Term 2 (5/17-6/28):

No invoices will be sent for registration after April 26  
Payment is due no later than May 14  
Late Registration is the first day of classes May 17;  
payment due that day

### Session C:

No invoices will be sent for registration after May 14  
Payment due no later than May 28  
Late Registration is the first day of classes June 7;  
payment due that day.

### Session B Term 3 (6/29-8/9):

No invoices will be sent for registration after June 11  
Payment is due no later than June 28  
Late Registration is the first day of classes June 29;  
payment due that day



## Graduate Courses offered in Portsmouth, OH

Following approval from the Ohio Board of Regents and West Virginia Higher Education Policy Commission, the Division of Environmental Science and Safety Technology are offering courses through Shawnee State University (SSU) in Portsmouth, Ohio. The courses lead toward either the M.S. in Environmental Science or the M.S. in Safety.

For more information about these courses and future offerings at SSU, please contact Dr. Tony Szwilski, Environmental Science and Safety Technology Division Chair. He can be reached at 696-5457; szwilski@marshall.edu.

The proposed Summer 2004 offerings at Shawnee State University will be ES 614 Risk Assessment and SFT 540 Industrial Fire Protection.

## Commencement Exercises Saturday, May 8, 2004

The 167th Commencement Exercises will be held Saturday, May 8, at the Big Sandy Superstore Arena. There are no restrictions on the number of guests attending the ceremony. Detailed instructions for graduates participating in the ceremony will be available two weeks before the event at the Office of the Registrar on the Huntington campus and in Graduate Admissions on the South Charleston Campus.



The instructions will also be posted on the following web site: [www.marshall.edu/registrar](http://www.marshall.edu/registrar). All persons participating in the ceremony must be attired in the Academic Cap and Gown. Arrangements can be made through the Huntington and South Charleston bookstores for cap and gown, and also the purchase of commencement announcements.



## Spring 2004 masters' degree graduates

A great way to celebrate completion of your master's degree is to participate in the masters' degree hooding ceremonies. Schedule:

South Charleston Hooding Ceremony  
7: 00 pm Thursday, May 6  
Charleston Civic Center

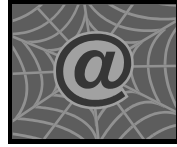
Huntington Hooding Ceremony  
7:00 pm Friday, May 7  
City Hall Auditorium

You can choose which location of the Hooding Ceremony is most convenient for you to attend. You will be hooded by a faculty member that you select. More details will be sent through the mail from the offices coordinating the ceremony once the schedule is finalized, but we wanted you to mark your calendars now. We hope to you see you there - as well as your family and friends!

**Application Deadline for July Graduation is Friday, June 11**

**Application Deadline for August Graduation is Friday, July 16**

Details can be found on the college web site at [www.marshall.edu/cite](http://www.marshall.edu/cite)



# Summer Courses

## **EM 620 - Human Resources in Technical Organizations**

Presents issues, theories, and procedures associated with human resources in technical organizations. Course is being offered on Mondays and Wednesdays from 6:00-9:00 pm in Huntington and South Charleston through the videolink during Session B Term 3 (6/29-8/9). Dr. Eldon Larsen is the instructor and can be reached at 746-2047; [larsene@marshall.edu](mailto:larsene@marshall.edu).

## **EM 660 Project Management**

Course is being offered this summer due to popular demand. It provides the student with a practical knowledge of how to integrate effectively the functional efforts of many in the execution of programs and projects. Emphasis is placed on working with people, setting good project objectives, and making effective plans. The course is being offered on Tuesdays and Thursdays from 6:00-9:00 pm in South Charleston during Session B Term 3 (6/29-8/9).

## **ES 603 - Seminar in Current Environmental Issues**

This seminar style course will cover the influence of environmental laws and regulatory interpretations, as well as the impact of citizens' groups, professional societies, and trade associations on current environmental practice. Case studies and guest lecturers will incorporate contemporary environmental themes including industrialization, resource use, and pollution; changing land use patterns; global warming and deforestation; biodiversity; political regulation; economic resources; cultural attitudes toward nature. Emphasis is placed on understanding and

combining different approaches to environmental problems and on proposing public policy solutions, and particular attention will be placed on these topics as they relate to the Appalachian region. Students are ENCOURAGED to bring their own spheres of interest and enthusiasm to this course, and to use this course as a means of improving their understanding of their own areas of interest. Course is being offered on Mondays and Wednesdays from 6:00-9:00 pm in Huntington and South Charleston through the videolink during Session B Term 2 (5/17-6/28). The course instructor is Ms. Stephanie Timmermeyer, current Cabinet Secretary for the WV Department of Environmental Protection (DEP). She can be contacted at 558-5929; email: [stimmermeyer@wvdep.org](mailto:stimmermeyer@wvdep.org).

## **ES 614 Risk Assessment**

The course will provide a comprehensive review of currently used methods and applications of risk assessment in environmental science and engineering. The course will focus on the analysis of potential risks in all media, and will include State and Federal requirements and guidelines for human health and ecological risk assessment. The course is being taught in Huntington and South Charleston through the videolink by Dr. Scott Simonton, on Tuesdays and Thursdays from 4:00-7:00 pm during Session B Term 3 (6/29-8/9). Dr. Simonton can be reached at 746-2045; email: [simonton@marshall.edu](mailto:simonton@marshall.edu)

## **ES 646 Dynamics of Ecosystems**

The purpose of the course is for students to gain a working knowledge of important ecological concepts, to appreciate the different ecosystems and to understand the cycles that are important in maintaining each ecosystem type. Topics covered will include:

species interaction; population, community and ecosystem ecology; productivity; nutrient cycling; physiological ecology, population dynamics; pollution and conservation; and aquatic, marine, and terrestrial ecosystems. The course is offered from 6:00-9:00 pm on Tuesdays and Thursdays in Huntington during session B Term 2 (5/17-6/28). Dr. Michael Little, chair of the Integrated Science and Technology program is the course instructor and he can be reached at 696-5446; email: [little@marshall.edu](mailto:little@marshall.edu).

## **IS 510 - Computer Systems and Structured Programming II**

Course will provide introductory and advanced topics using Visual Basic. IS 510 has IS 500 as a Prerequisite. The course is being offered in South Charleston during Session B Term 3 (6/29-8/9) on Mondays and Wednesdays from 6:00-9:00 pm. Dr. Tom Hankins is the course instructor. He can be reached at 746-2044; email: [thankins@marshall.edu](mailto:thankins@marshall.edu).

## **IS 600—Management Information Systems**

The course examines personal, work group, and enterprise information systems with respect to their value, their components, and the process of developing them. There are no course prerequisites. Course is being taught on Tuesdays and Thursdays from 6:00-9:00 pm during Session B Term 3 (6/29-8/9) in Huntington and South Charleston through use of the videolink. Asst. Prof. John Biros will be teaching the course. He can be reached at 746-1941; [jbiros@marshall.edu](mailto:jbiros@marshall.edu).

## **IS 625 - Software Engineering**

Covers the process of developing complex software products. Includes the software life cycle, project management, object

## Summer Courses continued

oriented methods, and project life cycle phases. The concepts, methods, and tools learned from the course will be applied in a class project. Course prerequisite is IS 500 or equivalent. The course is being offered on Mondays and Wednesdays from 6:00-9:00 pm during Session B Term 3 (6/29-8/9) in Huntington and South Charleston through use of the videolink. Dr. Herb Tesser is teaching the course, and he can be reached at 696-2696; tesser@marshall.edu.

### **IS 645—Geographic Information Systems (GIS)**

The course will provide an overview of the field of GIS, related technologies, and their usage. The steps in designing, implementing, using, and maintaining a GIS will be covered. These steps include: data collection and validation, basic cartography and digital mapping, database development, integration of maps and databases, and analysis. Course will discuss the resources required for implementing GIS, and the strategic implications of using GIS for an organization. The GIS course can potentially be used as an elective in the IS, ENGR, ES or TM programs; please consult your advisor for permission. Course will be offered on Mondays and Wednesdays from 6:00 –9:00 pm in Huntington during Session B Term 2 (5/17-6/28). Mr. Jamie Wolfe is the instructor, and he can be reached at 696-6042; jawolfe@marshall.edu.

### ***New Course***

**IS 650 - Evaluation of Information Technology:** How to Measure and Create Value from your IT Investment. Course objectives: Understand how IT creates value by describing and categorizing benefits in strategic, operational and organizational terms; be able to articulate the

difference between information and technology architecture of a company; choose the appropriate financial techniques to access the delivery of value such as net present and payback analysis; understand how to perform a risk analysis on IT solutions and how these risks can affect the implementation of technology projects; be able to create a compelling IT business case through expressing the benefits, costs and risks. Course is being taught by Dr. Jamil Chaudri, and he can be reached at 696-2694; Chaudri@marshall.edu.

### ***New Course***

**IS 651 - Web Design and Implementation** will examine the creation of web pages using HTML. In addition to HTML, students will study site design, navigation, accessibility, and publishing to a web server. Prerequisites are admission to the Information Systems Program or consent of the instructor. Course will be offered on Mondays and Wednesdays from 6:00 –9:00 pm during Session B Term 2 (5/17-8/9). Dr. Tom Hankins is the course instructor. He can be reached at 746-2044; email: thankins@marshall.edu.

**SFT 490 & SFT 650 Internship** It is never too early to start thinking about your internship. Where do I want to go to work or in what manufacturing organization do I wish to work? The Safety Technology Program receives calls from many local and out of the area companies seeking interns to work for the Summer, or a semester or even longer. We have openings at Delta Airlines in Atlanta, Georgia. Or perhaps Flexis in Charleston, WV? Or maybe Delphi Automotive in Dayton Ohio? Or Marathon Ashland Petroleum? See what is available. Remember, your internship is the stepping stone for the student which, if performed well, may lead to a permanent position with that company. The undergraduate and

graduate internship courses will be offered During Session C from 6/7 - 8/13. Please contact Dr. Allan Stern, at 696-3069; email:stern@marshall.edu for permission to register for SFT 490 or 650.

### **SFT 630-Current Literature and Research in Occupational Safety and Health**

For students contemplating an MS in Safety, this is an excellent first course. Students will learn about library references and various safety web sites. Fundamentals of basic research design will be covered. Journals and periodicals will be researched to find the most current safety research. The course also provides an excellent foundation of resources for future safety papers students will be required to complete in other courses. This course is being taught by Dr. Allan Stern in Huntington during Session C (6/7 - 7/9) on Mondays, Wednesdays and Thursdays from 5:00-7:30 pm. Dr. Stern can be contacted at 696-3069; email:stern@marshall.edu.

**TE 699 - Comprehensive Project** Students with approved comprehensive project proposals from TE 698 are permitted to register for TE 699. Successful completion of TE 699 includes an effectively written, well documented report that presents an original solution, and an oral presentation of the project to a faculty committee. The course is offered during Session B Term 3 (6/27 - 8/9). Permission from your advisor is required for you to register, and you should expect to work closely with your advisor to ensure completion during the term in which you are registered.



## College of Information Technology and Engineering

CITE - Huntington Campus  
112 Gullickson Hall  
Marshall University  
Huntington, WV 25755-2586  
304/696-5453

CITE - South Charleston Campus  
325 Administration Building  
MU Graduate College  
100 Angus E. Peyton Drive  
South Charleston, WV 25303-1600  
1-800-642-9842, ext. 2041  
Or  
304/746-2041

[www.marshall.edu/cite](http://www.marshall.edu/cite)

On-CITE is edited by Elizabeth Hanrahan  
Suggestions for future articles are  
encouraged and can be emailed to  
[Hanrahan@marshall.edu](mailto:Hanrahan@marshall.edu)

Non-Profit Org  
U.S. Postage  
PAID  
Permit No. 206  
Huntington, WV

## MILO Registration—Phone or Web

Students may register for classes in person, by touch-tone telephone, or using the web. Payment (check or credit card) for courses can also be made using MILO. Please consult the printed schedule for specific deadlines.

CITE students who wish to register in person may do so at the Registration Office in Old Main B-1 in Huntington, or at the Admissions and Registration Office located on the first floor of the Administration Building in South Charleston.

Students can register by touch-tone telephone by calling 304/696 – MILO (6456) or 1-800-696-MILO. Students may also register on the World Wide Web at the following address: <http://www.marshall.edu/milo/>. The MILO registration system is usually available 24 hours a day Monday through Thursday and until 9:00 pm on Fridays. MILO registration is unavailable from 9:00 pm Friday until 1:00 pm Sunday. Please note that on the dates that registration is suspended, you will not be able to register by MILO or WWW.

The following identification is required to access the touch-tone telephone and WWW registration systems:

Student Identification Number: This is usually your Social Security Number, or a nine-digit identification number assigned by Marshall University.

Personal Identification Number (PIN): A six-digit number consisting of your date of birth (i.e., student born on March 23, 1973 would have PIN # 032373). For added security, students are encouraged to change their PIN number once they access their personal account.

You may also use MILO phone to pay tuition and fees by check or credit card. If you have any questions concerning tuition charges please contact the Office of the Bursar at 304/696-6620.

