



On - CITE

New Faculty Members Join CITE

We are pleased to announce two new faculty members who are joining the Division of Environmental Science and Safety Technology:

Dr. Scott Simonton, P.E.
Assistant Professor
Environmental Science

Dr. Simonton completed his Ph.D. in Civil/Environmental Engineering at the University of New Mexico. He has a masters from Marshall University in Environmental Engineering, and a B.S. in Civil Engineering from West Virginia Institute of Technology. He is a registered Professional Engineer—Environmental in West Virginia and New Mexico. He was previously with Triad Engineering, where he was a Senior Engineer. He has industry experience with various other companies and agencies including Fluor Daniel GTI/IT, Earth Tech, Terradon Corp, Idaho

Division of Environmental Quality, and WV Division of Environmental Protection Office of Water Resources.

Dr. Simonton will be joining CITE on November 1, 2001. His office will be located in South Charleston. After November 1, he can be reached at 746-2045.

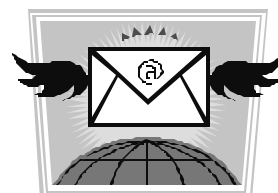
Dr. Kathleen Miezio
Associate Professor
Safety Technology

Dr. Miezio has a Ph.D. in Industrial Engineering - Human Systems Engineering, and masters degrees in Industrial Engineering, and Health and Safety Education, all from University of Wisconsin-Madison, and a B.S. in Education from the University of Wisconsin-Milwaukee. She most recently served as Director of the National Environmental Education

and Training Center at Indiana University of Pennsylvania (IUP). Dr. Miezio has taught previously at IUP, Illinois State University, and Indiana State University.

Dr. Miezio will be joining CITE on January 2, 2002. Her office will be in Suite 212, Communications Building.

Dr. Tony Szwilski, Division Chair of Environmental Science and Safety Technology Division, states " We are delighted to have Scott and Kathleen join our team. Both are bringing a lot of experience and enthusiasm to the Division."



Inside this issue:	
Exploring Engineering Academy	2
Course Offerings in Portsmouth, OH	2
Updating a Plan of Study	2
World Safety Conference & Safety Awards and Activities	3
Spring Courses - Insert	
Research Activities	4
Environmental Science and Safety Course Highlights	4
Information Systems Electives	5
Quality and Productivity Methods	5
Control Systems and Chemical Engineering Courses	5
Registration Dates & Web and MILO Registration	6

Exploring Engineering Academy



During the summer of 2001, Marshall University and the College of Information Technology and Engineering hosted the first annual Exploring Engineering: Academy of Excellence (EEAE). 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. A description of the Academy, pictures of the participants engaged in various activities, and a list of sponsors can be found at our web site www.marshall.edu/eeae.

Students had an opportunity to interact with engineers from a variety of disciplines. In addition to

engineers working for area businesses and industries, government agencies, and consulting firms, there were two featured speakers. Dr. Heidi Burch, a Ph.D. Chemical Engineering graduate from M.I.T. spoke about her research on photonic polymers, and Mr. Joe Sanford, a NASA Flight Systems Design Engineer at the Marshall Space Flight Center, described his experiences and engineering opportunities as a NASA engineer. The Academy closed with a banquet attended by students, parents, Academy staff, and sponsors. The banquet speaker was Dr. Sarah Denman, Provost for Academic Affairs, who gave an inspiring talk on the importance of education.

EEAE 2001 was 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 2001 Academy sponsors listed on the EEAW web site.

The 2001 EEAE was a great success and helped to promote the engineering profession and Marshall University. Planning for EEAE 2002, to be held from July 14 - 19, is underway.

Graduate Courses offered in Portsmouth, OH

Delivery of the M.S. Environmental Science and M.S. Safety programs at Shawnee State University, Portsmouth, Ohio.

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 the first course in Portsmouth, Ohio which

leads toward either the M.S. in Environmental Science or the M.S. in Safety. Environmental Law (ES 660), began on Tuesday October 2 and is being team taught by adjunct faculty Mike Castle and Terry Sammons. The class meets 6:00-10:00 pm.

Spring 2002 offerings at Shawnee State University will be Radiation Safety (SFT 583) taught by Dr. John

Singley, and Risk Assessment (ES 614) taught by our new faculty member Dr. Scott Simonton.

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

Updating a Graduate Plan of Study



See an elective course you'd like to take that was not listed on your approved Plan of Study?

If you need to update your Plan of Study, the most efficient way is to send an email to your faculty advisor requesting approval to replace a course currently listed on your Plan of Study.

Should your advisor approve this update, a confirming email can be sent from the advisor to the Office of the Graduate Dean indicating the advisor's approval.

The Plan of Study is just what the title states — a plan. It can be updated and revised with advisor approval.

Review the offerings for Spring 2002 and what is listed on your Plan of Study for Spring, and revise your Plan of Study now.

Reminder: Each CITE student must have a Plan of Study on file no later than the completion of the ninth credit hour of graduate work.



World Safety Conference

submitted by Aaron Price, B.S. in Safety Technology student



Aaron Price and Joseph Vance attended the World Safety Organizations national/international conference held in Waco, TX September 10 – 12, 2001. Below is a summary submitted by Aaron Price:

Joey Vance and Aaron Price, members of Marshall University's student chapter of the American Society of Safety Engineers (ASSE), recently attended the world safety conference in Waco, Texas. Dr. John Singley, a member of the WSO, accompanied the students. The conference was the 15th International Environmental Health & Safety Conference & Expo. Marshall University's Safety Technology Program is one of the two programs accredited by the WSO. The conference hosts were excited that Marshall was represented at the conference. The other University WSO certified organization is in Perth, Australia. Many topics of interest were

discussed at the conference, such as: World Class Safety Performance; Transportation of Dangerous Goods; Sexual Harassment; Confined Space Permanent Pollution Prevention Program; Industrial Storm Water Visual Inspection and Sample Collection; Use of IH Ambient Air Test Results for Air Emissions Calculations; and many other topics.

Dr. Singley was also a speaker. He spoke on the role of human resources in the safety field. The conference was a multi-international crowd. Joey and I attended many of the classes offered during the conference. We also worked the expo answering questions of people interested in Marshall University.

The Expo was a great experience for Marshall University. Many of the people interested in future safety personnel were inquiring to what

kind of program Marshall offered. Many of them were impressed with the fact that Marshall is one of the only two universities accredited by the WSO.

The Trip to Texas was overshadowed by the events in New York; the conference officials displayed concern and exhibited a round table discussion of the events and speculation of how they would handle the situation. This was an invaluable experience and Marshall will be well represented in the eyes of the safety field because of interest showed and displayed at the conference. I would like to thank the ASSE for allowing Joey and myself to attend the conference.

Editor's Note: Due to the tragedy in New York, Dr. Singley rode back to Huntington in the vehicle rented by the student chapter of ASSE. A good time was had by all?

Safety Technology Awards and Activities

The Safety Technology Program students are making a name for themselves. Here is the latest update on the program:

Isaiah B. Haynie, has been awarded a \$2,000.00 Mark E. Maag Memorial Scholarship presented to him by United Sales Associates of Cincinnati, Ohio. The scholarships are awarded in the field of industrial safety from college applicants from the states of Ohio, Michigan, Indiana, Kentucky, Tennessee, Pennsylvania and West Virginia and are based on economic need, grade point average and student essay.

Aaron Price, has been awarded the Joseph A. Holmes Safety Scholarship. Aaron was awarded \$1,500.00 based on the criteria of enrollment in an accredited safety program and an essay entitled "Why I want to study for a degree or pursue a career in the mine safety field."

Congratulations to both of these students!

Safety students have also been attending national conferences. Michael Kincaid and Kevin Buskirk drove to Atlanta, GA to attend the National Safety Council's annual

safety congress and spend one day viewing the exhibit area.

Dr. Stern attended the American Society of Safety Engineers conference in Anaheim, California in June to take part in the Safety Educators section meeting. He also took part in RAC/ABET accreditation training during a one day workshop.

Dr. John Singley is speaking at a one day seminar on October 18. It is sponsored by the WV ASSE and the seminar is titled "Terrorist Use of Weapons of Mass Destruction and How to Prepare Your Organization for Them."

Application Deadline for May Graduation is January 25, 2002





Research Activities

Dr. Tony Szwilski, Division Chair of Environmental Science and Safety Technology, is working on a Rail Research Project: The Federal Rail Administration has recently announced the award of \$250,000 for the second year of funding for principal investigators Dr. Richard Begley and Dr. Tony Szwilski. The research involves the evaluation of ground sensing technologies, such as ground penetrating radar (GPR) and laser interferometer, that will be configured to form a rail inspection vehicle that will evaluate the stability of rail track in real-time.

Dr. Herb Tesser, Weisberg Professor in Information Systems, has a current research project which focuses on two areas, automated recognition of objects in images and applications of Geographic Information Systems (GIS). He currently has openings for graduate students in each of the following areas:

- 1) Automated extraction of transportation networks, e.g. roads and railroads from remotely sensed images.
 - 2) Automated face recognition.
- The GIS project will address the

design and integration of a system to serve the needs of the West Virginia Department of Transportation. This work is currently being done with **Dr. Michael Robinson, Mr. Jonathan Thompson and Mr. James Wolfe**.

Dr. Tesser is seeking students interested in the challenge presented by these research endeavors. He is looking for students who have a good background in computing and mathematics. If interested, contact Dr. Tesser at 696-2696 or tesser@marshall.edu.

Environmental Science and Safety Graduate Course Highlights

ES 614 Risk Assessment - The analysis of public health and safety risks, including the physical, medical, legal, public policy, and public awareness aspects, and such issues as the meaning of "risk" and "uncertainty". The course is being taught by Prof. Simonton on Mondays from 6:30-9:00 pm in South Charleston. After November 1, he can be reached at 747-2045. This is a required course for ES majors and MSE Environmental majors.

ES 620 Environmental Management Systems - The EMS principles and elements; environmental, health and safety regulatory issues; ISO 14000 EMS specifications and guidelines; environmental auditing; environmental performance evaluation; life cycle assessment and environmental labeling. This course is being offered at Hurricane High School on Wednesdays from 6:30-9:00 pm and is being taught by Dr. Tony Szwilski. He can be

reached at 696-5457; szwilski@marshall.edu. This is a required course for ES majors, and an elective course for MSE Environmental majors.

ES 630 Environmental Site Assessment - Site inspection and investigation, emphasizing the "due diligence" clause of Section 107 of the Comprehensive Environmental Response Compensation Liability Act of 1980, site remediation, and data analysis and reporting. The course is being taught by Prof. Simonton on Wednesdays from 4:00-6:20 pm at Hurricane High School. After November 1, he can be reached at 747-2045. This is an elective course for both ES majors and MSE Environmental majors.

ES 660 Environmental Law - Introduction to major federal environmental legislation and related state programs, including policy issues, judicial review, and practical effects. Includes CERCLA, RCRA, Clean Water Act, Clean Air Act,

NEPA, ESA, and SDWA. This course will be offered in three locations for Spring 2002: Huntington, South Charleston, and Beckley through the videolink on Tuesdays from 4:00-6:20 pm. The course will be taught by Associate Dean Betsy Dulin. She can be reached at 746-2087; bdulin@marshall.edu.

SFT 649 Physical and Biological Hazards - Sources of biological and physical hazards for various industries and occupations. Hazard controls and preventive techniques will also be covered. This course is required for students in the Industrial Hygiene option of the MS in Safety. Subject to advisor approval the course can be an elective in the other safety options and also the ES degree. The course is offered in Huntington on Tuesdays from 6:30-9:00 pm and is being taught by Dr. John Singley. He can be reached at 696-3067;

Information Systems Electives

IS 620 Operating Systems -

Covers the core elements of operating systems, including processes, memory, scheduling, and input/output. Also covered are the concepts and challenges in implementing distributed processing and in providing for computer security. IS 620 builds on the material covered in IS 621 - Information Structures I in describing core operating system algorithms and their implementation strengths and constraints. PR: IS 621. The course is being offered in Huntington on Tuesdays from 6:30-9:00 pm, and is being

taught by Mr. Jonathan Thompson, Instructional Technologist for CITE. This course is an elective in the IS program. Individuals in other majors interested in taking the course should contact Mr. Thompson at 696-6349; thompsonj@marshall.edu.

IS 651 Special Topics "Current Topics in Web Applications" -

Will explore web application development using Microsoft's ASP.NET. It will emphasize applications with database interactions. Students will use Visual Studio.NET and also prepare code with a text editor. Each

participant will develop a project using the tools studied in the class. Prerequisite for the course is completion of IS 623 and knowledge of basic HTML. The course is being offered in South Charleston on Mondays from 6:30-9:00 pm, and is being taught by Dr. Tom Hankins. He can be reached at 304/746-2044; thankins@marshall.edu.

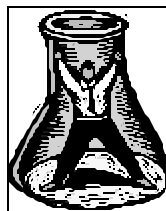


Quality and Productivity Methods

TM 630 - Quality and Productivity Methods is the study of quality and productivity improvement methods with emphasis on applications to knowledge worker organizations. Examines total quality management, and personal and organizational productivity improvement processes. There is no Prerequisite for the course. This course is being offered through the videolink in Huntington and South Charleston on Thursdays, from 4:00 - 6:20 pm. The course is being taught by Dr. Bernie Gillespie, Coordinator of the TM program. He can be reached at 696-6007; gillespb@marshall.edu.

Control Systems and Chemical Engineering Courses

CSE 630 Optimal Control - General Theory of Optimal Control; calculus of variations; Pontryagin's maximum principle; Hamilton-Jacobi theory, application of optimal control theory to design of feedback systems using several performance criteria; advanced topics. The course is being taught on Tuesdays from 6:30-9:00 pm in South Charleston by Dr. Bill Crockett. He can be reached at 304/746-2040; bcrockett@marshall.edu.



CHE 632 Optimization of Engineering Systems - Unconstrained optimization and differential calculus; equality constraints; search techniques; calculus of variations; minimum principle; and Hamiltonian, including mixed

constraints and state-variable constraints. Setting up and solving practical applications. PR: knowledge of differential equations. The course is being taught on Mondays from 6:30-9:00 pm in Huntington by Dr. Bill Crockett. He can be reached at 304/746-2040; bcrockett@marshall.edu.

CHE 661 Process Simulation - The course covers current simulation techniques for development, design, and operation of chemical processes. The instructor will review modeling and equations solving methods needed for the class. Course will be offered Mondays, 4:00-6:20 pm in South Charleston. For more information please contact Dr. Bill Crockett 304/746-2040; bcrockett@marshall.edu.



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

REGISTRATION DATES

Advance Registration
(currently enrolled):
11/5 - 12/28/01

Advance Registration
(all admitted students):
11/19 - 12/28/01

Adv Registration is suspended
12/9 - 12/26/01

Adv Registration MILO Only:
12/27 - 12/28/01

Registration suspended:
12/29/01 - 1/1/01

Regular Registration:
1/2 - 1/11/02

Late Registration/Sched Adj
1/14 - 1/18/02

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 on the World Wide Web (WWW). Please consult the printed schedule for 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 credit card. If you have any questions concerning tuition charges please contact the Office of the Bursar at 304/696-6620.

