



On - CITE

Meet the CITE Personnel: Dr. Eldon Larsen

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. Eldon Larsen is profiled in his own words.

I was born and raised in Idaho and Utah. As a teenager, I lived in a small farming community in Utah. After my father's work each day at Hill Air Force Base, where he was a chemist doing research on solid rocket-propellants, we would often work together outside in the orchard, garden, or field. My father often asked me for my opinion on how get the work done.

I remember one day in particular when we were fixing some equipment attached to our tractor. My father and I had been talking about how to do the job and I made a few suggestions. My father then turned to me and said that I ought to find a job as an efficiency expert, as I seemed to have some talent in that area. I have always been interested in finding better ways to do things.

In high school I really liked essentially every class I had, especially math. I worked



very hard to get good grades, which did not come easily for me. I was involved with many extra curricular activities, including football, wrestling, baseball, concert band, marching band, jazz band, and a youth symphony orchestra where I played clarinet. My senior year I was the region champion in wrestling in my weight class. In the state tournament that year, after being ahead by several points, I lost to the state champion by one point after making a critical error.

Upon graduating from high School I began studying Chemical Engineering at Brigham Young University. I knew when I started college that I wanted to earn a Ph.D. In fact, I had grand ideas of earning several Ph.D.s in topics like Chemical Engineering, Electrical Engineering, Physics, and Mathematics, which was wishful thinking on my part, of course. After my first semester in college, I took a leave of absence to serve a two-year full-time mission for my church -The Church of Jesus Christ of Latter-day Saints. I spent two years in France and Belgium. I came to love the French language, which is

essentially all I spoke with the people there for two years.

I returned to Brigham Young University and completed my B.S. and M.S. degrees in Chemical Engineering. I also got married during that time and we had our first son and first daughter. My master's degree research advisor was a well-known thermodynamicist, Dr. Grant Wilson, after whom the Wilson equation is named in thermodynamics.

I was accepted to the University of California at Berkeley where I studied fluid-phase-equilibrium thermo-dynamics with one of the most world-famous professors in thermo-dynamics, Dr. John Prausnitz. I graduated from Berkeley with a Ph.D. in Chemical Engineering early in 1983. By the time I graduated, my wife and I had a total of five children; four sons and a daughter. Through some very efficient and frugal home management skills on my wife's part and with some financial help from our parents, we were able to graduate debt free.

On February 28, 1983, I began working for Union Carbide Corporation in its

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Exploring Engineering Academy



Marshall University and the College of Information Technology and Engineering will host the third annual Exploring Engineering Academy of Excellence (EEAE) this summer. The Academy will take place June 22 through June 27 on the Marshall Huntington Campus.

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 previous year's participants engaged in various activities, and a list of sponsors to date can be found at our web site www.marshall.edu/eeae. If you know of high school students who will be going into their Junior or Senior year in Fall 2003 please share this information with them.

Planned activities for 2003 include the designing and building catapults, CO2 cars, Lego manufacturing, and a trip to the New River Gorge Bridge. Students and their families will also learn

about "extreme engineering" on opening day of the academy.

EEAE is 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 EEAW web site.

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Research and Development Department at the Technical Center in South Charleston, WV, where I worked for 16 1/2 years. I developed expertise in chemical separations and purification, polyolefins process research and development, and amines research and development. During that time, we added four more daughters to our family, so now we have four sons and five daughters.

In 1993, I received an assignment that was to change my career—to lead an important team to develop and implement project management principles and skills for the company's Research and Development. This was a high-level, very visible, and very successful effort. For my efforts, I received Union Carbide's "Chairman's Award," the highest award an individual in the corporation could receive. My next assignment was to represent the Research and Development department on the corporation's Phase Integrators Team which

oversaw the corporation's capital Project Work Process. I also began teaching many Project Management short courses within the corporation.

Someone at MUGC learned that I was teaching Project Management courses and asked if I would teach some graduate courses in Project Management. I had always wanted to teach, and so I thought it would be a good experience to try it out. I was an adjunct faculty member for nearly three years.

Early in 1999, I was made aware of the planned retirement of an Engineering faculty member, and it was suggested that I should apply. After much consideration and discussion with my wife and nine children, I did apply, and I got the job! It was very difficult for me to sign the contract with Marshall University. It meant I would be leaving a very good job at Union Carbide and also any retirement package—I was two years away from qualifying for early retirement.

However, I made the decision to join Marshall University and I haven't looked back. I have been very excited and pleased with my experience as a full-time faculty member at Marshall. I now truthfully tell people, "Before I had a very good job, but now I love my job." I love to teach.

I am now completing my fourth year as a full-time faculty member of Marshall University. During this time I have been the Coordinator of the graduate Engineering Management program within CITE. I love to teach and I have been blessed to be able to associate with many very fine people, both faculty and students. I want to thank everyone here for the enjoyment I receive in associating with you. This experience has blessed both me and my family. I look forward to many more years at Marshall.

Summer Registration - check the class dates carefully!

Monday, 3/24 Advance registration is open to all currently enrolled students

Monday 3/31 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 (5/14-6/25):

No invoices will be sent for registration after April 28

Payment is due no later than May 13

Late Registration is the first day of classes May 14; payment due that day

Session B Term 3 (6/26-8/8):

No invoices will be sent for registration after June 14

Payment is due no later than June 25

Late Registration is the first day of classes June 26; payment due that day

Session C: Dates for SFT 490 & 650 only (6/9-8/15):

No invoices will be sent for registration after May 17

Payment due no later than May 30

Late Registration is the first day of classes June 9; payment due that day

Session D (7/15-8/15)

No invoices will be sent for registration after June 28

Payment due no later than July 14

Late Registration is the first day of classes July 15; 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.

The proposed Summer 2003 offerings at Shawnee State University will be ENVE 615 Env Chemistry and SFT 553 International Safety and Health.

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.

Spring 2003 masters' degree graduates

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

South Charleston Hooding Ceremony
7: 00 pm Thursday, May 8, 2003
Charleston Civic Center

Huntington Hooding Ceremony
7:00 pm Friday, May 9
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 13
Application Deadline for August Graduation is Friday, July 19



Summer School Budget reduction

How will my summer classes be affected by the FY 2003-04 budget reduction? We have been asked this question many times this spring. The schedule of Summer 2003 courses published in this newsletter represents the courses we are planning to offer if the courses have enough enrollments. The best way to ensure that the courses you need to graduate are offered is to register during Pre-Registration and pay by the due date on your invoice. Pre-Registration for currently enrolled students begins March 24. Decisions about canceling classes will be made earlier than in previous years, so don't wait until the beginning of classes to register!!!



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 2 (5/14-6/25). Dr. Eldon Larsen is the instructor and can be reached at 746-2047; 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 5:00-8:00 pm in South Charleston during Session B Term 3 (6/26-8/8).

New Course

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.

Course is being taught in South Charleston by Dr. Scott Simonton, on Mondays and Wednesdays from 6:00-9:00 pm during Session B Term 3 (6/26-8/8). Dr. Simonton can be reached at 746-2045; email: simonton@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 2 (5/14-6/25) on Tuesdays and

Thursdays from 6:00-9:00 pm. Dr. Jamil Chaudri is teaching the course and can be contacted at 696-2964; Chaudri@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 2 (5/15-6/26) 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.

IS 625 - Software Engineering

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

Summer Courses continued

Thursdays from 6:00-9:00 pm during Session B Term 3 (6/26-8/8) in Huntington and South Charleston though 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 (5/14-6/25). Mr. Jamie Wolfe is the instructor, and he can be reached at 696-6042; jawolfe@marshall.edu.

New Course

IS 650: Data Driven Web with ASP.net

In this course students will study web site design and the tools provided by Microsoft's Visual Studio .NET for developing web sites. Each participant will prepare a detailed site design and use the .NET tools to implement a web site that interacts with an Access or SQL Server database. Prerequisite for the course is permission. Course will be offered on Mondays and Wednesdays from 6:00 –9:00 pm during Session B Term 3 (6/26-

8/8). 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 we have 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 6/9 - 8/15. 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

Is an analysis and study of selected research articles concerning significant topics in the field of occupational safety and health. The focus of this course is to develop skills in researching and obtaining appropriate information about safety and health issues of concern. Students will be able to gather and validate information, and identify the most critical aspects of safety and health information to make improved decisions. Also, the students will be required to develop a basic understanding of OSHA's

General Industry Standards (29 CFR 1910). This course is open to safety and non-safety majors. This course is being taught by Dr. Allan Stern in Huntington during Session D (7/15 - 8/15) 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.

New Course

TM 651 - Modern Manufacturing Methods

A study of the latest concepts and techniques in manufacturing. Topics such as Just-in-time inventory management, lean production, concurrent engineering, and quality function deployment are covered with emphasis on their effective use in manufacturing, Course is offered on Tuesdays and Thursdays from 6:00-9:00 pm in Huntington during Session B term 2 (May 14 – June 25, 2003). Course will be taught by Mr. Terry Accord who is an expert in Flow Manufacturing Practices and consults extensively with the hardwood manufacturing industry.



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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.

