



On - CITE

Meet the CITE Personnel: Dr. D. Scott Simonton

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. D. Scott Simonton is profiled in his own words.

To say I'm a son of Marshall might be a bit of an understatement – within 24 hours of my birth at Cabell-Huntington, I was enrolled at Marshall. At the time, Marshall had a private kindergarten with a long waiting list, so my parents signed me up as soon as they had a name to put on the form, and I've bled green ever since.

I mostly grew up in Huntington and Fredericksburg, Va. My dad, mom, step-mom, step-dad all attended MU – I believe my dad has at least 3 degrees from Marshall, has been adjunct faculty, and he also went to Marshall High School, a private high school then on campus, Class of '57. As a young kid, I vividly remember driving out to Kenova with my dad, to see from a distance the hillside scar from "The Crash", which had occurred just days before. I later went to elementary school with a kid that lost both of his parents that day. Like many Huntingtonians, I still get emotional when talking about it, and I was just a little kid when it happened.

Upon graduating high school in Virginia, I applied and was accepted at MU. But, as I was a

bit impetuous and am still known for my "wild hairs", I ended up joining the Marines instead, on a whim. My mom found out because I accidentally left my enlistment papers in the kitchen. The folks were less than pleased. To make matters worse, I was "delayed entry", which allowed me to attend 2 summer terms at MU and decide that maybe I didn't want to be a Marine after all, but it was too late. Of course, when having a "wild hair", it should always be done up right – I signed up for the infantry for 4 years, a decision I have always been happy I made. It made a huge difference in my life.

Upon completion of my enlistment, I rushed back to school at Marshall, happy to get out of uniform. So happy, in fact, that one of my first acts was joining Army ROTC, where I did get commissioned and spent another 7 years as an Armored Cavalry officer in the WV Army National Guard.

My time as an undergrad at MU was tragically short – as an engineering major, I had to leave after 2 years, and transferred to WV Tech to complete my Civil Engineering degree. However, I did make the most of my time on campus – in addition to ROTC, I was a Senator in student government, and a member of the Lamda Chi Alpha fraternity. The latter also had a big, positive influence in my life – you don't get much in the way of social skills as a Marine playing in the mud with guns.

Immediately upon graduation from Tech, I enrolled in the graduate program at what was then the WV College of Graduate Studies, later to become the Marshall University Graduate College. I completed my Masters in Environmental Engineering working part-time over a 5 year period, broken-up by a 2 year stint attending Idaho State University while working for the Idaho Division of Environmental Quality (another wild hair). During this part-time graduate work, I worked for the WV DEP, ID DEQ, and various consulting firms in the Charleston area as a practicing Environmental Engineer, becoming a registered professional engineer in 1997, the same year I completed my MS.

Life events led me to think about what I wanted to be when I grew up, so, following yet another impulse, I enrolled in the Environmental Engineering PhD program at the University of New Mexico in January, 1999. Picking a school based on outdoor activities in the area may not be the best way to make this very important decision, but it worked out well for me. Dr. Bruce Thomson at UNM immediately became a mentor and friend, and while being a researcher and doc student was a very stressful job, it's another decision I have come to be very happy with. It helped that my dad and step-mom had moved to Albuquerque just prior to me, so I had invaluable family support that was absolutely critical in completing my degree.

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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.

Summer Registration - check the class dates carefully!

Monday, 3/28 Advance registration is open to all currently enrolled students

Monday 4/4 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 A (5/9-6/4)

Payment is due no later than date on invoice or May 6
Late Registration is the first day of classes May 9; payment due that day

Session B Term 2 (5/16-6/27):

Payment is due no later than date on invoice or May 13
Late Registration is the first day of classes May 16; payment due that day.

Session B Term 3 (6/28-8/8):

Payment is due no later than date on invoice or June 27
Late Registration is the first day of classes June 28; payment due that day

Session C (6/6-7/8):

Payment due no later than date on invoice or May 27
Late Registration is the first day of classes June 6; payment due that day.

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To help occasionally take my mind off studies and research, I completed my pilots license while in NM. We own a small plane that we take everywhere – I've flown in 21 states so far, completed my instrument rating, and will soon work on my commercial and eventually instructor ratings. The kids are (as I was as a child, as my dad's a pilot) so used to traveling by small plane that it's no different than getting in a car to them. I may start flying forest fire patrols this summer, and will eventually instruct. Flying is a passion, and to help feed the passion I hope to start building a plane in the next year or so.

I loved my time at UNM, but was anxious to get back to Appalachia, which has always been home and a place I hold dear. I had hoped to get a teaching job anywhere close to WV, but the retirement of my MU graduate advisor at the same time I was completing my PhD became the opportunity of a lifetime, and I competed for and got my dream job teaching at

Marshall. It really is the greatest job I can imagine (well, next to astronaut or fighter pilot). I am so proud of this Institution and what it's become – I truly love this University and I'm excited to be a part of it.

One of the great fringe benefits of the job has been meeting my wonderful wife Molly, a professor of Deaf Education here at the South Charleston Campus. We met when she came to talk to “one of the geek engineers on the 3rd floor” about the kayak strapped to the top of my Jeep. She had just moved here from the University of Nebraska and was interested in paddling. We were married a few short months later, at the MU Chapel on Campus (where my folks were married), with a reception in a Marshall stadium skybox. We have 2 perfect kids from my previous marriage – Tucker and Sarah (12 and 9) – that I hope will attend Marshall. I think there's a pretty good chance, considering their lineage.



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 168th Commencement Exercises will be held Saturday, May 7, 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. 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 10

Application Deadline for August Graduation is Friday, July 15

Details can be found on the college web site at www.marshall.edu/cite

Summer Courses

EM 620 - Human Resources in Technical Organizations

Presents issues, theories, and procedures associated with the development and management of 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 (6/28-8/8). Dr. Eldon Larsen is the instructor and can be reached at 746-2047; larsene@marshall.edu.

EM 660 Project Management

Provides the student with a practical knowledge of how to manage programs and projects effectively. 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 (6/28-8/8).

ES 614 Risk Assessment

Will provide a comprehensive review of currently used methods and applications of risk assessment in environmental science and engineering. The focus will be 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 using WebCT/VISTA during Session B Term 3 (6/28-8/8). Dr. Scott Simonton is the course instructor and he can be reached at 746-2045; email: 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. A format is used of dynamic, systems modeling to connect species interaction; population, community and ecosystem ecology; productivity; and population

dynamics as applied to 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 (5/16-6/27). Dr. Michael Little, chair of the Integrated Science and Technology program, College of Science, is the course instructor and he can be reached at 696-5446; email: little@marshall.edu.

IS 631 Computer Security

Covers the elements of computer and network security, including computer attacks, preventive methods, risk management, legal/ethical issues, computer crime and forensics. Case studies and hands-on exercises will be used. Course PR: IS 610, 622, 623, or permission. The course is offered in South Charleston on Mondays and Wednesdays 6:00-9:00 pm Session B Term 2 (5/16-6/27). Dr. Patricia Logan is teaching the course and she can be reached at 746-1951; loganp@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 (5/16-6/27). Mr. Jamie Wolfe is the instructor, and he can be reached at 696-6042; jawolfe@marshall.edu.



New Course

IS 650 - Applications Development using C# and .NET

Provides an in-depth study of software applications development in the .NET environment using the C# programming language. Topics include object concepts and UML, C# language, object-oriented analysis and design, architecture design, user interface design, object-oriented programming, ADO.NET, ASP.NET, Web Forms, XML, and Web Services. The course is being offered from 6:00-9:00 pm on Mondays, Wednesdays and Thursdays during Session A (5/9-6/3). Dr. Venkat Gudivada is the course instructor and he can be reached at 696-5452; Gudivada@marshall.edu.

New Course

IS 653 - Perspectives on Valuation 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 652 - Computer Forensics and Incident Response

This course is designed to cover the entry-level and intermediate concepts in incident response

Summer Courses continued

including the foundation knowledge in how to *prepare, detect, react, and respond* to many types of crisis situations involving an incident response team. The course will focus on the role of computer forensics in incident response and the process of locating, handling, and processing computer evidence. The course is offered in South Charleston on Mondays and Wednesdays 6:00-9:00 pm Session B Term 3 (6/28-8/8). Dr. Patricia Logan is the course instructor. She can be reached at 746-1951; email: loganp@marshall.edu.

IS 651: Data Warehousing

This course will deal with the concepts and application of both "Data Warehousing" and "Data Mining". It is designed to cover the concepts of designing a data warehouse, understanding preprocessing techniques, implementing the data warehouse, analyzing the data to be mined and retrieving the data with effective database queries.

Each student will be expected to implement several projects using SQL Server and OLAP (On-Line Analytical Processing). There will be several tutorial type projects that will acquaint each student with SQL Server. Class discussion will be a significant part of the course and all students are encouraged to participate in the discussion. The course is offered in South Charleston on Tuesdays and Thursdays 6:00-9:00 pm Session B Term 2 (5/16-6/27). Prof. John Biros is the course instructor and he can be reached at 746-1941; jbiros@marshall.edu.

SFT 235 - Introduction to Safety (International Course)

Looking for a challenging and rewarding career? You might want to explore the field of Safety. People generally never think about safety and health until an incident occurs that dramatically affects either their lives or someone else's. Introduction to safety is a course which will or can be life changing. The student will learn just how fragile and precarious life is and how many times there are near misses which could

become accidents. The course will look at accident prevention in the United States and also in other countries around the world. Accidents occur everywhere and most often they are all caused by the same thing. Consequently, the prevention aspects are also the same. During the course, students will learn how and why accidents occur; how to protect themselves from home accidents, fires, traffic safety, occupational safety and world wide disasters. There are two sections of this course being offered during Session C (6/6-7/8): 1:00-11:45 am Monday through Friday and 2:00-3:45 Monday through Friday.

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 6/6 - 8/12. 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. Kathleen Miezio in Huntington during Session C (6/6 - 7/8) on Mondays, Wednesdays and Thursdays from 6:30-9:00 pm. Dr. Miezio can be contacted at 696-3071; email: miezio@marshall.edu.

TM 650 - Modern Manufacturing Concepts

The course objectives are to understand and apply recent concepts and techniques in manufacturing. Topics such as Just In Time inventory management, lean manufacturing, MRP systems, and Total Quality Manufacturing are covered with emphasis on their effective use in manufacturing. The text for the course will be "Factory Physics, 2nd edition" by Wallace J. Hopp and Mark L. Spearman. The course is being offered in Huntington and South Charleston through the videolink on Tuesdays and Thursdays during Session B Term 2 (5/16-6/27). Dr. Neal Lewis is the course instructor and he can be reached at 746-2078; lewisn@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 (6/28 - 8/8). 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.



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www.marshall.edu/cite

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myMU

MyMU provides an integrated web site where you can register for classes, check for holds, use your MU email, view your unofficial transcript, verify your advisor and update your contact information.

MU email is an important type of communication to students. You need to have a process in place to check your MU email.

Visit <http://mymu.marshall.edu>.

If you have any difficulty in accessing your account, or are not sure of the status of your email account you can contact the following individuals:

Huntington:
Help Desk 696-3200

South Charleston:
Karen Haney 746-1976
Paul Page 746-2056

Email: helpdesk@marshall.edu

The following identification is required to

access the WWW registration systems:

Student Identification Number: This is your 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 as soon as they access their personal account.

Please note that on the dates that registration is suspended, you will not be able to register by WWW.

You can pay your tuition on-line by credit card or check. No need to wait in line to register - use the web!

