Instructor Bios for FE/PE Review Class

Stephen J. Darcangelo, PE

Steve has 30 years of professional experience as a design consultant serving municipal, industrial and commercial clients. Areas of project expertise include wastewater conveyance and treatment, design of water treatment systems, landfill design, geotechnical engineering, construction management and structural design. As well as working for local engineering firms and municipalities he is employed as an adjunct professor at SUNY IT in the Civil Engineering Technology program.

Douglas Daley, PE

Doug is an Associate Professor in the Department of Environmental Resources Engineering and the Director of the SUNY Center for Brownfield Studies at the SUNY College of Environmental Science and Forestry. His research interests are in ecological engineering, brownfield redevelopment and stormwater engineering. Doug previously was employed in the private sector.

Jerry Ancona, PE, MBA

Mr. Ancona is a Power Transmission Planner for the NYS Department of Public Service. His expertise includes power system analyses, planning and operations, economic evaluations and wholesale electricity market issues. He has a MBA in Management and Finance from the Whitman School at Syracuse University and a BSEE in Electrical Engineering from Clarkson University. He is a Registered Professional Engineer in NYS, and a Senior Member of the Institute of Electrical and Electronic Engineers.

Jeffrey Burchill, PE

Mr. Burchill has been a practicing engineer for 25 years. He has experience in electrical power systems engineering design, control and application. This includes the application and design of electric machines in the air conditioning and refrigeration industry including PM (permanent magnet) generators, synchronous AC motors and induction motors, electrical protection, power electronics energy conversion and energy management as well as electrical and fire safety product reviews and investigations. Mr. Burchill has a BS in Electrical Engineering from RPI, a MS in Engineering Management from SU and a graduate certificate in Electrical Power Systems Management from RIT.

Siddharth Chatterjee, PhD

Siddharth G. Chatterjee is Associate Professor in the Department of Paper and Bioprocess Engineering at SUNY College of Environmental Science and Forestry in Syracuse, New York. He obtained his B. Tech (Hons.) degree from the Indian Institute of Technology (Kharagpur, India), and M.S. and Ph.D. degrees from Rensselaer Polytechnic Institute, all in chemical engineering. He has taught courses on air pollution engineering, water pollution engineering, engineering economics, engineering design, mathematical methods in chemical engineering, differential equations for engineers and scientists, bioprocess plant design, partial differential equations for engineers and scientists, air quality, thermodynamics and heat transfer, and bioprocess engineering design. He has worked in the areas of hydraulic design of tray and packed towers, hydraulic design of mist eliminators and liquid distributor, process and fluid flow simulation, air and water pollution control, gas absorption, membrane filtration, adsorption, distillation, renewable energy, moisture sorption and diffusion in paper, evaporative cooling, and autohydrolysis of wood. He is also interested in the nature
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of scientific theory and philosophy.

Ed Haggerty, PE, LEED AP

Edward Haggerty has obtained many years of experience in all aspects of consulting engineering. As a practicing structural engineer and manager of facilities design services, his responsibilities included client interface, technical oversight, project development, and overall production management of a full-service facilities engineering and architectural service department. His technical expertise includes all aspects of building design and construction, structural and geotechnical engineering, parking garage rehabilitation, multi-discipline/MEP projects, and management and over-sight of numerous full-service A/E term contracts.

Rafaat Hussein, PhD

Dr. Hussein has a BS in Civil Engineering, and MS and PhD in Architecture Engineering. His area of expertise covers analysis and design of structures and foundations, computer applications and development, along with environmental protection. He is an Associate Professor in the Department of Sustainable Construction Management and Engineering at SUNY-ESF.

Robert “Bob” Jackson

Bob has been involved in digital design for over forty years. He started by using small scale integrated circuits and worked up to the use of field programmable gate arrays, embedded microprocessors and digital signal processors. Most of his work has been in the field of Radar and Sonar design at GE and Lockheed Martin in Syracuse, NY. Bob teaches two classes that cover basic computer and advanced computer architecture concentrating on questions and problems from the sample exams. Bob has a bachelor’s degree from Union College and is a graduate of the GE ABC program.

Thomas Karle, PhD

Dr. Tom Karle is a professor in physics, electrical technology, and mathematics at Cayuga Community College. He worked as an electrical engineer at General Electric, and as an electromagnetic research engineer at the Air Force Laboratory. Dr. Karle has conducted engineering review classes for the PE Review courses since 1987.

Stamatios Kyrkos, PhD

Dr. Kyrkos is an Associate Professor of Physics at LeMoyne College where he advises Physics and Pre-Engineering students. His specialty is plasma physics, including strongly coupled Coulomb systems, such as plasmas and electron liquids in two dimensions and three dimensions, charged particle bilayers, linear and nonlinear response functions, compressibilities, and screening. He received his PhD and MS in Physics from Boston College and his BS in Physics from the University of Athens, Greece.

Barbara Leo

10/19/2012
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Ms. Leo is the Environmental Health and Safety Office and an Adjunct Instructor of Chemistry at LeMoyne College. Her specialty is analytical and instrumental chemistry. She received her MS from the Rochester Institute of Technology and her BS from SUNY Buffalo.

Steve Miller, PE

Mr. Miller is a Senior Project Manager at Parsons Corporation. His experience includes environmental benefit projects as well as treatment of wastewater, solid/hazardous waste, sediments, and potable water. He currently functions as one of three Design/Construction Managers for Honeywell’s $500M portfolio of Onondaga Lake cleanup projects. Mr. Miller has degrees from the SUNY College of Environmental Science & Forestry and Manhattan College. He is a Registered Professional Engineer in NYS, has served on the Water Environment Federation’s New York State Program Committee and is a past chapter president of the New York Society of Professional Engineers.

John Morgan

No bio provided.

Mary Taylor

Mary Taylor is a Senior Research Engineer for a local defense contractor. She has worked for large industry, small business, government and has taught at Syracuse University and LeMoyne College. Mary has a BS from Clarkson and MS and PhD degrees from Syracuse University, all in Electrical Engineering.