

Welcome Reception Introducing H. Daniel Cessna, P.E., The New District Executive for PennDOT District 11-0

THURSDAY, AUGUST 25, 2005
at the Engineers' Society of Western Pennsylvania
5:30-8:00PM

Join us for cocktails and hors d'oeuvres, and an opportunity to meet Mr. Daniel Cessna, and hear his comments on his newest assignment for Pennsylvania's Department of Transportation.

H. Daniel Cessna, P.E., was appointed District Executive for the Pennsylvania Department of Transportation, Engineering District 11-0 on May 13, 2005. District 11 encompasses 2,167 miles of roads and 1,773 bridges in Allegheny, Beaver and Lawrence Counties in addition to the Fort Pitt, Liberty, and Squirrel Hill Tunnels in Allegheny County. District 11 has 805 employees and an annual operating budget of \$300 million.

Mr. Cessna has been with the Department since 1992. He has held a variety of management positions at both the county and district level and in the three functional areas of PENNDOT: maintenance, design, and construction. Prior to coming to District 11, he was the Assistant District Executive for Design in District 10 headquartered in Indiana, PA. Cessna also served as a Construction Project Manager, Assistant Indiana County Maintenance Manager, Jefferson County Maintenance Manager, and Assistant Construction Engineer all within District 10.

Mr. Cessna is a graduate of the University of Pittsburgh, Katz Graduate School of Business with a Master of Business Administration. He also received a Master of Engineering, Civil Engineering degree from The Pennsylvania State University.

Cost is \$50 per person for members and \$60 per person for non-members. Call 412-261-0710 or e-mail eswp@eswp.com for reservations, or download and mail or fax the PDF reservation form (www.eswp.com/PDF/cessna_reception.pdf) to 412-261-1606.

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The ESWP Annual Golf Outing Report



The annual golf outing was held on Monday, July 18 at the Quicksilver Golf Club. After a rainy start, the weather cooperated for a hot and humid day. The 135 golfers that participated enjoyed lunch, dinner, beautiful scenery, a well kept eighteen holes of golf and an exciting speaker in Gerry Dulac of the Post-Gazette. Thanks to all who played, sponsored holes and gift donations once again in support of the ESWP. For a complete list of winners, sponsors and pictures from the day, please visit our website at www.eswp.com/eswp/annual_golf_outing.htm.



ESWP President Mike Bock (Schnader Harrison Segal & Lewis) and his guest Ken Marino (Wayne Crouse, Inc.)



Mike Roarty, Leroy Trimboth, Andrew Rhodes, Damon Rhodes



Guest speaker, Gerry Dulac, Golf Writer of the Pittsburgh Post-Gazette

Project Management Fundamentals Seminar

THURSDAY, SEPTEMBER 15, 2005

1:00-5:00PM

at the Engineers' Society of Western Pennsylvania

The Pittsburgh Chapter of the Project Management Institute has joined with the Engineers' Society of Western Pennsylvania to present a ½ day seminar on Project Management Fundamentals.

The seminar will introduce you to project management basics – what it is, the processes, and knowledge areas. This seminar is for anyone unfamiliar with project management, anyone new to the field, or anyone who wants to brush up on the fundamentals. The session will be taught by certified Project Management Professionals.

For Registered Professional Engineers, the session will provide 4 PDHs. For certified PMPs, the session will provide 4 PDUs toward recertification. For anyone interested in sitting for the PMP exam, this session will provide 4 credit hours toward the education requirement for the exam.

The cost is \$120 for PMI or ESWP members and \$150 for non-members. An optional lunch is available for an additional cost.

Visit the Pittsburgh PMI website at www.pittsburghpmi.org for more information. Email vp_education@pittsburghpmi.org with any questions.

To register, call 412-261-0710 or e-mail eswp@eswp.com, or download the PDF Registration Form (www.eswp.com/PDF/project_management.pdf) and fax it to 412-261-1606.

ESWP Celebrates 125 Years

The centerpiece event of our Anniversary celebration for 2005 will be the fundraising dinner and silent auction to be held at the Pittsburgh Convention Center on October 26th. Join us in celebration of the Society's 125 years of service to the Engineering Community. Our master of ceremonies for the evening will be Rick Sebak of WQED.

Our keynote speaker will be David McCullough, author historian of numerous best selling books including the engineering marvels of their time; The Panama Canal and The Brooklyn Bridge. Our guest speaker, David McCullough is twice winner of the National Book Award and twice winner of the Pulitzer Prize. He has been called a "master of the art of narrative history." His books have been praised for their exceptional narrative sweep, their scholarship and insight into American life, and for their literary distinction. A gifted speaker, Mr. McCullough has lectured in all parts of the country and abroad, as well as at the White House. He is also one of the few private citizens to speak before a joint session of Congress.

In order to assure the success of the fundraising dinner, we are enlisting the entire Corporate Member roster, 70+ strong, to participate on our dinner committee and help to coordinate the effort through our event committee; Bernie Fedak, Trevor Farrand, Tom Jurecko and Steve Bachenheimer.

Margaret Manges and a small group of volunteers are helping to coordinate the silent auction for the event. All ESWP members will soon receive a letter from Margaret that will help demonstrate how you can contribute and participate in the auction.

Formal invitations to the 125th fundraising dinner will be mailed in very early September. In the meantime, if you would like to make your reservation please contact the ESWP offices for event details.

The ESWP is excited about its 125th year celebration and the community benefits that will be derived from the success of our fundraising efforts. Please join us and lend your support!

For more information about ESWP's 125th anniversary activities, please visit our web site at www.eswp.com/eswp/125th_anniversary.htm.

ESWP Catering and Banquet Facilities

Cocktail Parties, Fundraisers, Networking Functions, Board Meetings, Retirement Parties, etc ... Don't forget to hold your next function here at the Engineers' Society, a first class facility featuring enough space to hold 2-200 people, with state of the art audio-visual equipment, internet access in every room and of course, our delicious selection of hors d'oeuvres and entrees. Visit our web site (at www.eswp.com/eswp/banquet_facilities.htm) for more details or call to request a party menu. We look forward to helping you plan your next event ... And it's not too early to start planning your **HOLIDAY PARTY**, so give us a call at 412-261-0710 ext. 16.

3 Rivers Wet Weather Seventh Annual Sewer Conference

SEPTEMBER 28-29, 2005

Four Points by Sheraton Pittsburgh North
Cranberry Township, PA

Make your plans now to participate in the Seventh Annual 3 Rivers Wet Weather Sewer Conference, September 28-29. This annual conference is designed to educate and share lessons learned for overcoming the wet weather problems that have plagued the Pittsburgh region for decades. Visit http://www.3riverswetweather.org/b_news/b_events.stm for more information.

Conference News: International Water Conference®

OCTOBER 9-13, 2005

Hilton in the Walt Disney World Resort, Orlando, Florida

**Why the International Water Conference?
The Valuable Opportunities!**

LEARN about the latest developments in water treatment technologies

NETWORK with manufacturers, suppliers, and industry experts in the Exhibit Hall and Info- Share/Hospitality Suites

GAIN exposure, knowledge, and a multitude of new ideas that can be put to practical use in your plant to solve your water treatment problems.

The International Water Conference? draws personnel active in the water and wastewater treatment industry. They represent all industry segments, government, and academia and include managers, engineers, suppliers, consultants, contractors, educators, regulators, chemists, biologists, administrators, and other water treatment professionals, both national and international.

Technical Program Details

The Technical Program Schedule is now available with day & time. More details regarding individual presentation titles & speakers are currently being added. Check back often for the most up-to-date program details.

Visit www.eswp.com/water for details.

Re-employment Listings

The re-employment program is a FREE service offered by ESWP on an ongoing basis to all unemployed members and Affiliated Technical Societies members. These individuals are eligible to submit a resume and have a one paragraph summary of their qualifications published in the e-TC, the online TechniCalendar – ESWP's monthly newsletter and calendar, and in the Pittsburgh ENGINEER, ESWP's quarterly publication. Potential employers contact ESWP to receive candidates' full resume.

Anyone who meets the above qualifications and would like more information should contact ESWP at 412-261-0710, or eswp@eswp.com.

If your business is interested in any of the following candidates, please contact the Engineer's Society of Western Pennsylvania at 412-261-0710 or eswp@eswp.com.

#142 - Seeking a position in construction management in operations, business development or management. Experience: construction management, business development, construction inspection, material sampling/testing. Skills: strong computer skills including proficiency in Word, Excel and other specialty applications; excellent written and verbal communication skills. Degree: BS-Env.Sci, BS-Civil Eng., MS-Civil Eng.

#144 - Seeking a program/project management position to utilize 17 years of experience in a dozen different industries, domestic/international, commercial/government projects, including P/L responsibility, all phases of project life-cycle, risk management, salvaging damaged projects, and optimizing performance of operations, processes and teams. Degrees: MS, PhD, PMP.

#148 - Results-driven manager with expertise in project management, production planning, process improvement, and operations management. Expert at turning around troubled projects. Skilled in translating between business needs and technology requirements. Excellent mentor and manager.

#149 - Customer focused IT Manager with experience in network implementation and support, application, user and desktop support. Skilled at vendor management and purchasing. Experienced in NetWare, Windows and Linux. Implemented variety of systems including Citrix WinFrame, Opentext Document Management and Lotus Notes.

Re-employment Listings (continued)

#150 - Seeking a project/program management and/or business development position with a growth-oriented engineering and/or construction company serving the industrial, energy, water or infrastructure markets. Domestic and international project management experience. Management of technology implementation, contractual/technical risks and integration of multiple project partners, technologists, suppliers and contractors. Engineering and MBA degrees. Registered PE. Willing to travel.

#151 - Looking for Marketing - Business Development - Communication - Public Relations position, 36 years experience, Significant experience with Design & Build firms, Excellent "Decision-maker relationships network" in Industrial & Commercial Sectors, Team Player, Success Attitude: Be Productive, Provide Cost Efficient Actions, Solve All Challenges.

#152 - Business Development Manager and Project Manager seeking senior position with Engineering and/or Construction firm. Strong domestic and international experience in commercial terms, project negotiations and sales agent management. Skilled executive with expertise in industrial and municipal markets, including steel, wastewater, power generation, wire, rod, cement and chemicals. BSCE, MBA in Marketing and registered PE.

#153 - Registered Mechanical Engineer seeks temporary, part-time or contract engineering/design work. Intelligent, honest, reliable, self-motivated, enthusiastic, creative, organized. Enjoys challenges, good attention to details, thinks "outside the box", whole-job oriented, excellent written and visual communication skills, cost-conscious, experienced in real-world shop and field practice, produces quality work.

Classifieds

Utility Systems Engineer - Steam Systems

Engineering Services is seeking an Engineer to provide in-house consulting and engineering support for the operation of the campus-wide steam, condensate, compressed air and natural gas utility systems. Perform engineering analysis, anticipate needs for improvements, expansions, alterations for the continued safe and economical operation of the utility systems. Provide planning services and prepare design criteria. Prepare detailed system requirements and cost estimates. Critique design documents prepared by design professionals for buildings and facilities to be constructed for and by the University. Develop operational and maintenance program parameters for utility systems. Ensure compliance with applicable laws and regulations. Provide technical advice to operational personnel and participate in negotiations and review contracts with outside utilities in the areas of procurement and rights-of-ways. Requires Bachelor's degree in Engineering, plus seven years of work-related experience. Licensed as a Professional Engineer in Pennsylvania required.

Electronically submit a cover letter, salary requirements and resume at <https://secureweb.ohr.psu.edu/jobs.cfm> or mail to Employment & Compensation Division, Job #: L-20015, The Pennsylvania State University, 120 S. Burrowes St., University Park, PA 16801 or fax to 814-865-3750. Resumes accepted until position is filled.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

All ESWP Classifieds appear on the ESWP website after publication in the Pittsburgh ENGINEER appear at no extra charge. They remain on the website until the next publication.

e-techniCALENDAR Classifieds: (the ESWP's online newsletter) are available at \$150 per insertion. Please contact 412-261-0710 for placement information.

Pittsburgh Engineer Magazine Classifieds: (the ESWP's quarterly publication) are available at \$50/column inch. Contact 412-261-0710 for placement information.

The Calendar

AUGUST						
	1)	2)	3)	4)	5)	6)
7)	8)	9)	10)	11)	12)	13)
14)	15)	16)	17) AFE	18)	19)	20)
21)	22)	23) PSPE	24)	25) ESWP	26)	27)
28)	29)	30)	31) IIE			

August 17 - AFE, Association for Facilities Engineering, Pittsburgh Chapter Golf Outing and Dinner at Lindenwood Golf Course. Tee time is set for 1:00PM. Please contact Tom Visconti if you wish to participate or if you have any questions at 724-779-5805 (office), 412-849-0393 (cell), or e-mail thomasavisconti@eaton.com.

August - ASQ, The American Society for Quality, Pittsburgh Chapter offers training for certification, and professional learning experiences for members, their employers and the public semi-annually. Courses begin in August:

Quality Manager Refresher, Cost is \$595, begins 8/20, 8 Saturdays, 8AM-Noon, Instructed by Jeff Otte

Reliability Engineer Refresher, Cost is \$495, begins 8/22, 8 Mondays, 6PM-8:30PM, Instructed by Brad Nelson

CMI/CQT Refresher, Cost is \$495, begins 8/25, 8 Thursdays, 6PM-8:30PM, Instructed by Teresa Whitacre (correspondence course)

Quality Engineer Refresher, Cost is \$595, begins 9/12, 11 Mondays, 6PM-9PM, Instructed by Nick Skovran

Quality Auditor Refresher, Cost is \$595, begins 9/19, 10 Mondays, 6PM-9PM, Instructed by Dick Kish

Quality Process Analyst, Cost is \$495, begins 10/4, 8 Tuesday, 6PM-8:30PM, Instructed by Joe Caylor

Software Quality Engineer Refresher, Cost is \$495, begins 10/8, 8 Saturdays, 9AM-Noon, Instructed by Robin Dudash (correspondence course)

All courses will be held at the Westinghouse Energy Center - Monroeville, PA (see <http://www.asqpgh.org/mondir.htm>), with the exception of the *Software Quality Engineer Refresher* which will be held at the Cranberry location. For more information, visit the ASQ Pittsburgh Chapter web site at <http://www.asqpgh.org/ed.htm>. To register call 412-261-4300. Participating companies will receive a 10% discount for 3 or more registrants.

August 23 - PSPE, Pennsylvania Society of Professional Engineers. The Pittsburgh Chapter regularly sponsors two sessions of refresher courses a year, one in the spring and another in the fall, for both the Professional Engineer (mechanical and civil disciplines) and the Engineer in Training (E.I.T./F.E.) exams. Courses meet one evening/day per week at the University of Pittsburgh and are scheduled to complement the semiannual examinations administered in the Commonwealth of Pennsylvania. The cost of each course is \$250.00. The Next Refresher Course is now scheduled for 9 sessions. The mechanical, civil & EIT classes will begin on Tuesday, August 23, 2005, and run for nine weeks with the exception of Labor Day (no classes on labor day), in preparation for the upcoming PE & FE Exams. The classes are held at the University of Pittsburgh Benedum Hall. All classes will be held over nine week nights or 22-1/2 hours of instruction. There will be 2-1/2 hours of instruction from 6:30 to 9:00 p.m. each night. The deadline for registration for the upcoming class is **August 12, 2005**. For more information and registration materials, please contact the Chapter office at: Dr. Gene Geiger, Chairman, registration Advice Committee, PSPE, Pittsburgh Chapter Office, 337 Fourth Avenue, Pittsburgh, PA 15222, Phone: (412) 391-0615.

August 25 - ESWP, Welcome Reception Introducing Dan Cessna, the New District Executive of PennDOT's District 11-0 at the ESWP; 5:30-8:00PM; Cost is \$50 per person for ESWP members and \$60 per person for non-members. Call 412-261-0710 for availability or e-mail eswp@eswp.com, or download the PDF Reservation Form and fax it to 412-261-1606.

August 31 - IIE, Institute of Industrial Engineers - "*Bridges of Pittsburgh*" aboard the Pittsburgh Voyager; 5:00PM informal drinks/dinner at Hi-Tops Restaurant, 200 Federal Street by PNC Park; 6:45PM board the boat at the Pittsburgh Voyager Dock located at the Carnegie Science Center; 7:00-8:30PM cruise. Cruise the 3 rivers learning what makes Pittsburgh the bridge capitol of the world! Try your hand at engineering, marvel at the ancient arch construction and build and test several types of bridges. We will enjoy an hour and half cruise on the Pittsburgh Voyager while we apply principles of engineering to our very own city. The boat does have protection from the elements, so we will sail rain or shine! Cost is \$20 (dinner is not included in this fee). RSVP by Tuesday, August 16 to Barb Grabowski at Grabowski966@comcast.net or 412-921-3681. A minimum of 20 people is needed to conduct the program, so please respond as soon as possible. As always, your reservation is your commitment.

Mark Your Calendar Now!!

September 8, 2005 - ASM, American Society for Materials Pittsburgh Chapter meeting at the Penn Brewery 6:00PM. For reservations call 412-261-4300.

September 15, 2005 - ESWP in cooperation with PMI, Project Mangement Institute Pittsburgh Chapter presents a 1/2 day seminar on *Project Management Fundamentals* at the ESWP from 1:00-5:00PM. The seminar will introduce you to project management basics - what it is, the processes, and knowledge areas. This seminar is for anyone unfamiliar with project management, anyone new to the field, or anyone who wants to brush up on the fundamentals. The session will be taught by certified

The Calendar

Project Management Professionals. For Registered Professional Engineers, the session will provide 4 PDHs. For certified PMPs, the session will provide 4 PDUs toward recertification. For anyone interested in sitting for the PMP exam, this session will provide 4 credit hours toward the education requirement for the exam. The cost is \$120 for PMI or ESWP members and \$150 for non-members. An optional lunch is available for an additional cost. Watch the Pittsburgh PMI website (www.pittsburghpmi.org) for more information and registration information which will be available shortly. Email vp_education@pittsburghpmi.org with any questions.

September 15, 2005 - PMI, Project Management Institute, Pittsburgh Chapter Meeting; 5:15PM Info Session & Social Hour; 6:15PM Dinner; 7:00PM Presentation - "Outsourcing Business Process" by Mike Zetwo, Allegheny Technologies. Call 412-261-4300 for reservations.

September 22, 2005 - SFPE, Society of Fire Protection Engineers Pittsburgh Chapter Meeting at the ESWP; Guest speaker, Mr. Robert Veenstra, Northeast Regional Manager for Viking Electronic Services, will discuss the latest developments in advanced fire alarm technology.

September 23, 2005 - CSI, Construction Specifications Institute Logo Design Competition deadline. Visit the CSI Pittsburgh Chapter website for details at www.csipittsburgh.org.

Fall 2005 - ESWP, Noon Luncheon: *Major Engineering Research Initiatives at Carnegie Mellon University?*. Speaker: James H. Garrett Jr., Associate Dean of the College of Engineering and a professor in Civil and Environmental Engineering at CMU. 11:30AM Registration, 12:00PM Lunch. Cost is \$20 per person. Call 412-261-0710 for reservations.

October 6, 2005 - CSI Construction Specifications Institute Middle Atlantic Region Conference will sponsor the Regional Exam at Seven Springs, PA. Early registration ends July 6, 2005, Final registration ends August 6, 2005. Visit www.csinet.org for information, or contact Michael Bosco, RA, CSI, CCS, NCARB, Pittsburgh Chapter Certification Chair, at 412-761-6084 or e-mail mbosco@cunzolo.com.

October 9-13, 2005 - IWC, *The 66th Annual International Water Conference*®, Hilton in the *Walt Disney World*® Resort, Orlando, FL. Visit the IWC web site at www.eswp.com/water or call 412-261-0710 ext. 32 for information.

October 14, 2005 - PMI, Project Management Institute Pittsburgh Chapter Seminar at the ESWP; "Effective Risk Management" by Carl Pritchard; Synopsis: In this seminar Carl will take participants through the risk management process, including tools for each step within the process. Participants will learn the value of adhering to the process and pursuing risk management in a cohesive, orderly fashion. Cost is \$270 for PMI members, and \$375 for non-members. This seminar will provide 7 PDUs toward re-certification for individuals who are PMP-certified. In addition to course materials provided at the session, Carl's book "*Risk Management: Concepts and Guidance*" will be provided to all participants. To register visit www.pittsburghpmi.org/training.htm. All registrations, with payment in full, must be received by October 7, 2005.

October 17-21, 2005 - SFPE Annual Meeting & Professional Development Conference at the Hyatt Regency La Jolla, San Diego, CA. The annual meeting will be followed by the Awards and Honors Banquet and will feature a special presentation by former SR-71 pilot Colonel Buzz Capenter entitled "*Recognizing Achievement – Performance and Protection*". For more detailed information visit www.sfpe.org or contact Julie Gordon, SFPE Education Program Manager, at jgordon@sfpe.org or by phone at 301-718-2901.

October 26, 2005 - ESWP 125th Anniversary Banquet at the David L. Lawrence Convention Center; 5:30-7:00PM Cocktails and Silent Auction followed by dinner and presentation with Rick Sebak, WQED, as Master of Ceremonies and Featured Guest Speaker, David McCullough, Author and Historian.

October 28, 2005 - International Bridge Conference® Call for Papers deadline. Visit www.eswp.com/bridge/bridge-CFP_info.htm for information.

March 27-30, 2006 - SME Society of Manufacturing Engineers "*The Total Manufacturing Experience*" at the Los Angeles Convention Center. *The Total Manufacturing Experience* will draw leaders from key industries, including aerospace and defense, medical, automotive, electronics, high-tech and more. A must attend event for the world's manufacturers, suppliers, and educators, *The Total Manufacturing Experience* will present a special focus on automation and assembly. Attendees will be immersed in a complete learning experience that moves from classroom, to exhibit floor, to networking and recognition activities. Participants can immediately apply what they've learned to solve real-world operations and business challenges. Further information about *The Total Manufacturing Experience* will be available soon at www.sme.org, or call 800-733-4763.

Deadline & Insertion Info for the e-TC

In order to offer our Affiliated Societies most current meeting information, the e-TC will accept information until the 17th calendar day of the month prior to the issue date.

Please fax direct to: **412-261-1606** or e-mail digital files as Microsoft Word attachments or text within the body of the message to: eswp@eswp.com.