

Photo Courtesy of U.S. Air Force

Blazing New Trails



Spring Continuing Professional Development
Conference & Annual Member Meeting

June 5 & 6, 2009 | Holiday Inn, Fairborn, Ohio



A state society of the National Society of Professional Engineers

400 South Fifth Street, Suite 300 | Columbus, OH 43215-5430
614-223-1144 | 614-223-1131 (FAX) | 1-800-654-9481 (Ohio Toll Free Member Hotline)
www.ohioengineer.com | e-mail: ospe@ohioengineer.com



We're "Blazing New Trails" in Fairborn! Join us for our Spring Continuing Professional Development (CPD) Conference hosted by OSPE's Dayton Chapter.

Who Should Attend?

- PEs
- engineer interns
- PSs
- surveyor interns
- county engineers
- city engineers
- ODOT, ODNR engineers
- federal government engineers
- college engineering faculty
- college engineering students

How You Will Benefit: This conference is worth up to 12 CPD Hours (courses specifically designed for Ohio's design professionals) and includes most meals, entertainment, practice division meetings and OSPE & EFO Annual Member Meetings.

Friday, June 5, 2009

7:00 am Registration & Breakfast Open

7:00 am OSPE & EFO Past Presidents' Breakfast Meeting

8:30 am Kick-Off: Sponsored by PEI, 0.5 CPD hours

Rockies Express Pipeline: Investment in Energy Independence Benefits Ohio

The Rockies Express Pipeline is a 1,700 mile-long natural gas pipeline beginning in Colorado and terminating in Monroe County, Ohio. The \$6 billion project is a partnership between Kinder Morgan Energy Partners, Inc., Sempra Pipeline and Storage, and ConocoPhillips. This 42" pipeline will bring 1.8 to 2 billion cubic feet of natural gas per day to markets in the Midwest.



Allen Fore, JD

Participants Will Learn:

- Why the project is important to the nation's energy infrastructure, as well as to Ohio's consumers and its economy.
- About the technical engineering and construction process. This will include difficult water body crossings, including the Mississippi River, and above ground facilities.
- The areas of expertise and the many key components needed for a project of this magnitude to be successful (engineering, construction, personnel, etc.).

Allen Fore, JD, public affairs manager for the Rockies Express Pipeline project, is experienced in government, public policy and politics at the local, state and national levels. At Kinder Morgan, he manages public affairs, public relations and community outreach programs for significant energy projects. He is a member of the Illinois Bar.

9:00 am Seminar: Sponsored by PEPP, 3.0 CPD hours

Better Understanding Your PE Business' Clients
How do clients make decisions? How can you satisfy your clients and build long-term relationships with them?

Participants Will Learn:

- To understand how they can ethically influence client decision-making in order to become chosen more often.
- How to satisfy clients in order to build successful client relationships.



Lynn Dailey, PhD

Lynn Dailey, PhD, is an associate professor of marketing at Capital University and holds the distinguished Moor Chair in Business & Economics. She has engaged in consulting projects for Frigidaire Appliances, Fortune Brands, Ohio Rehabilitation Services Commission, Ohio Department of Development, Capital University and small businesses. She has a PhD in business administration.

12:15 pm Awards Luncheon

1:45 pm Technical Tour: Sponsored by PEI, 3.0 CPD hours

Air Force Research Laboratory,
711th Human Performance Wing
The 711th Human Performance Wing (711 HPW) at Wright-Patterson Air Force Base is the first human-centric warfare wing to consolidate research, education and consultation under a single organization. The 711 HPW

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merges the AFRL Human Effectiveness Directorate with functions of the 311th Human Systems Wing currently located at Brooks City-Base: the U.S. Air Force School of Aerospace Medicine and the Human Performance Integration Directorate. (Technical topic. Includes lecture & discussion. **Register early!** OSPE and the 711 HPW reserve the right to place a cap on the number of participants. Must be a U.S. citizen.)

Participants Will Learn:

- About the Human Effectiveness Directorate, including warfighter readiness research, warfighter interface technology, directed energy bioeffects, and biosciences and protection.
- About the USAF School of Aerospace Medicine, including training and education programs.
- About the Human Performance Integration Directorate, including the advocacy, facilitation and support for the application of human systems integration principles.

6:00 pm Presidents' Party: Dinner & Entertainment

9:00 pm Hospitality Suite

Saturday, June 6, 2009

7:00 am Registration & Breakfast Open

7:00 am Practice Division Breakfast Meetings:
PEC, PEHE, PEG, PEI and PEPP

8:30 am Seminar: Sponsored by PEI, 1.0 CPD hours
New Technology in Composite Materials

The National Composite Center is the industry leader in incubating companies and technologies in advanced composite technology and is also considered the commercialization arm in advanced materials and process development to the aerospace, defense, ground transportation, commercial and infrastructure markets.

Participants Will Learn:

- An overview of the National Composite Center (NCC).
- About a new technology from Australia: "Quickstep," an out-of-autoclave process for composites that demonstrate the ability to control heat and reduce cycle times, energy costs and tooling costs.
- Applications for Quickstep.



Lisa Novelli, MBA

Lisa Novelli, MBA, is NCC's president. She oversees business growth and strategy, project delivery/contract execution and manages project teams, engineers, scientists and technicians, as well as the Center's process equipment and quality system. Novelli holds a bachelor's degree in mechanical design and an MBA.

9:30 am Seminar: Sponsored by PEG, 1.25 CPD hours
Measuring Technology Maturity

Technology maturity: What is it, and why is it important? The Government Accountability Office (GAO) has reported that the use of immature technologies in programs is a primary cause for cost and schedule overruns in government procurement programs. In fact, recent reports indicate that the problems are getting worse.

Participants Will Learn:

- The definitions of technology and technology maturity.



- What Technology Readiness Levels (TRL's) are, the NASA TRL scale, and how to determine a technology's TRL.
- About technology maturity as an indicator of risk.

Bill Nolte, PE, is the Air Force Research Laboratory's lead systems engineer. With an interest in measuring technology maturity, he developed the AFRL Technology Readiness Level Calculator. He has chaired three international conferences and published a book on the subject.



Bill Nolte, PE

10:45 am Seminar: Sponsored by PEC, 1.25 CPD hours
 Engineering & Construction in a Tight Economy
 Participants will discuss the use of stimulus money in engineered construction projects, as well as other issues facing engineers in a lethargic economy.

Participants Will Learn:

- Carefully scheduled efficient projects will rule!
- Cost and resource loaded "flow charts" sell efficiency and projects.
- Engineers need legal knowledge of liens, contracts, bond claims, certifications, defaults and more.
- How to provide engineering assistance in client avoidance of claims and damages.

Montgomery County Engineer **Joseph Litvin, JD, PE, PS, F.NSPE**, oversees the maintenance and repair of 504 bridges, in excess of 2,000 culverts, and 320 miles of roadway. He is the former principal of his own business law practice, which primarily dealt with the construction industry, subcontractors, material suppliers, engineers, architects and a testing lab. **Carl Meglan, PE, PS**, president of Meglan Companies, Inc., is experienced in construction engineering, construction forensics, claims management and alternate dispute resolution. Meglan works as a consultant to owners, contractors, subcontractors, engineers, architects and schedulers in reviewing and developing contracts, plans and specifications.



Joe Litvin, JD, PE, PS, F.NSPE



Carl Meglan, PE, PS

12:15 pm Legislative Luncheon: Hosted by OSPE-PAC

1:45 pm Seminar: Sponsored by PEPP, 2.0 CPD hours
 Risk Management in These Economic Times
 Join Oswald Companies for an interactive discussion regarding recent claim trends impacting engineering businesses throughout Ohio and across the country. Is your business at risk?

Participants Will Learn:

- How to better position your engineering organization to avoid costly insurance claims.
- How to build a proactive approach to risk management.
- An attorney's insight into recent court decisions.

Guest Tours - with underwriting from practice divisions

The following tour packages are not included in the Engineer's Conference Packages. Guests may register for Friday and/or Saturday Tour Packages.

Friday Tour Package includes breakfast and . . .



Dayton Art Institute: "Gardens" - Gardens represent nature in all its moods, phases and changes. They have inspired artists from around the world. The museum galleries are full of works that demonstrate how artists and artisans interpret the natural world around them. **Guided tour.**

L'Auberge - This French restaurant is the recipient of numerous awards and is highly acclaimed by the Dayton Daily News, the Columbus Dispatch and the Cincinnati Enquirer. **Lunch. Educational talk on the compatibility of herbs/spices and wine.**

Hawthorne Hill, the Oakwood mansion that Orville Wright called home for nearly 35 years, has had a long and colorful history of hosting distinguished visitors, including Charles Lindbergh and President Franklin D. Roosevelt. **Guided tour.**

Presidents Party (dinner and entertainment)

Saturday Tour Package includes breakfast and . . .

Cultivating the Artist Within - Artist Talitha Greene invites you to her Yellow Springs studio for a class in which guests will make-and-take jewelry using sterling, Swarovski crystals and freshwater pearls. A jewelry and multimedia artist, Greene's own pieces are bold, dramatic, eclectic, contemporary and handmade. She has pieces in the permanent collection at the Ohio Governor's Mansion. Her husband, Gerald, has a guitar-making workshop on-site. **Jewelry-making activity. Tour of luthier's workshop.**

The Winds Cafe & Bakery - The Winds is a casual fine dining restaurant. It started out in 1977 as a sincere, funky little place that baked bread everyday in an old pizza oven acquired for a dollar. The food is European inspired with an American twist and uses as many local ingredients as possible. **Lunch.**

Shopping in Yellow Springs - Independent and artisan shops are rich with unique jewelry, handmade gifts, original artwork, stained glass, books, collectibles, clothing and accessories, imports, and environmentally-friendly products. **Boutique shopping.**

Drew Gunn leads Oswald Companies' specialty risk practice that focuses on directors' & officers' liability, errors & omissions, and professional liability coverage. With over 15 years of industry experience, he is known for his specialty risk expertise. **Kohl Schneider** of Gallagher Sharp is one of today's leading attorneys in the construction and engineering liability arena. His insight into best practices and risk mitigation come from 17 years of experience defending engineers.

3:45 pm OSPE/EFO Annual Member Meetings & Installation

5:30 pm Hospitality Suite

Bonus CPD Opportunity!

Legislative Luncheon:
 Transportation, Stimulus & Strategy
 Join the OSPE Political Action Committee for lunch on Saturday to meet ODOT District 7 Deputy Director Rex Dickey, PE, PS, and earn an extra 0.5 CPD hour! (Separate registration required. Call 614-223-1144 for Legislative Luncheon tickets.)



Rex Dickey, PE, PS

Participants Will Learn:

- About transportation stimulus funding.
- About ODOT's transportation strategy.
- About legislation pertinent to ODOT and transportation.

Rex Dickey, PE, PS, is responsible for all ODOT activities within the nine county region of District 7. He is involved in strategic planning, goal setting, performance measurement and policy development and deployment on both the state and district levels.

OSPE 2009 Spring CPD Conference

REGISTRATION FORM

Name _____

NSPE Member? No Yes, Member # _____

Title _____

Company _____

Address _____

City _____ State _____ Zip _____

DayPh # _____ EvePh # _____

Fax _____

E-Mail _____

Your Guests' Names _____

Emergency Contact Name _____

Emergency Contact Ph # _____

Description	Entire Conference	One Day- Friday	One Day- Saturday	
Nonmember	<input type="checkbox"/> \$428	<input type="checkbox"/> \$260	<input type="checkbox"/> \$220	\$ _____
NSPE Member	<input type="checkbox"/> \$299	<input type="checkbox"/> \$182	<input type="checkbox"/> \$154	\$ _____
<i>30% discount!</i>				
Enterprise Member	<input type="checkbox"/> \$214	<input type="checkbox"/> \$130	<input type="checkbox"/> \$110	\$ _____
<i>50% discount!</i>				
Guest Tours	<input type="checkbox"/> \$99	<input type="checkbox"/> \$60	<input type="checkbox"/> \$41	\$ _____
<i>If postmarked after Fri., May 22, add 20%\$ _____</i>				
Grand Total				\$ _____

Students, call 614-223-1144 for special pricing.

Payment Options

Check (payable: *Ohio Society of Professional Engineers*)

Or **VISA** **MasterCard** **Exp. Date:** ___/___

Account Number:

□□□□-□□□□-□□□□-□□□□

Cardholder Name: _____

Signature: _____

Billing Address & Zipcode: _____

REGISTRATION INFORMATION

How to Register . . .

Complete the registration form and return it to OSPE with your check or credit card information. Photocopy the form for multiple registrations. You may mail your registration and payment to:

Ohio Society of Professional Engineers
400 South Fifth Street, Suite 300
Columbus, Ohio 43215-5430

Or FAX your registration and credit card info to **614-223-1131**. Attendance at all paid events requires advance payment. The OSPE & EFO Annual Meetings are free to all members and guests.

Recommended Attire

Business-casual is the recommended attire for all events.



Engineer's Entire Conference Package

The engineer's entire conference package includes breakfast on Friday and Saturday, Technical Tour, Presidents' Party, Awards Luncheon, and all meetings, seminars and on-site activities, except the Legislative Luncheon which is separate from the package. Call 614-223-1144 for tickets to the Legislative Luncheon.



Engineer's One Day - Friday Conference Package

The One Day-Friday Conference Package includes breakfast, Awards Luncheon, Technical Tour, Presidents' Party, and all meetings, seminars and on-site activities on Friday.

Engineer's One Day - Saturday Conference Package

The One Day-Saturday Conference Package includes breakfast and all meetings, seminars and on-site activities on Saturday, except the Legislative Luncheon which is separate from the package. Call 614-223-1144 for tickets to the Legislative Luncheon.

Guest Tours Packages

Please refer to details inside this brochure. Guest tour packages are partially underwritten by four of OSPE's practice divisions: PE's in Construction (PEC), PE's in Government (PEG), PE's in Industry (PEI), and PE's in Private Practice (PEPP).

Hotel Reservations

Make your overnight room reservations at the **Holiday Inn Dayton/Fairborn I-675** by calling 1-937-426-7800. To reserve your overnight room at the OSPE discounted rate of **\$109 plus tax** per night, mention "Ohio Society of Professional Engineers." *Rooms are being held at this rate for OSPE Conference attendees through Wed., May 13. Register early to ensure availability.*

Hotel Parking

The Holiday Inn Fairborn has a spacious, free parking lot.

Conference Cancellation Policy

Registrants may withdraw from the Spring CPD Conference with full refund less a \$75 processing fee provided OSPE is notified in writing no later than Friday, May 29, 5:00 p.m. After that time, registrants are responsible for the full registration fee.

Legislative Luncheon Registration

Separate registration is required for Saturday's Legislative Luncheon hosted by the OSPE Political Action Committee. Call the OSPE-PAC at 614-223-1144 to register.

Continuing Professional Development Hours

The Ohio State Board of Registration for Professional Engineers and Surveyors does not pre-approve CPD courses nor course-providers. However, OSPE programs are designed to meet Ohio law and State Board of Registration rules. The Spring CPD Conference meets continuing professional development (CPD) requirements in most states. There are **12.0 CPD hours** associated with this program, plus a bonus **0.5 CPD hour** for those attending the Legislative Luncheon on Saturday. Professional engineers should only claim credit commensurate with the extent of their participation in the activity. Be sure to sign our on-site attendance sheet for each program so that your attendance may be verified in case of State audit.

SPONSORSHIPS AVAILABLE

For information, including details on complimentary registration benefits, download OSPE's 2009 Media Kit at <http://ohioengineer.com>.

Contributions, Gifts, Dues & Fees

Contributions, gifts, dues and fees to the Ohio Society of Professional Engineers are not tax deductible as charitable contributions. However, they may be tax deductible as ordinary and necessary business expenses. Please consult your tax advisor.

Schedule of Events

Schedule and faculty are subject to change without notice. Program substitutions may be made at any time.

For your CPD hours, stick with the people who know the law:

