**EE for CE: Fundamentals of Electrical Engineering for Civil Engineers (7 PDH)**

“Basic, Practical Electrical Engineering Every Civil Engineer Needs to Know”

**Friday, May 16, 2014, 8:00 AM to 5 PM**

*DoubleTree Hotel in GreenTree, 500 Mansfield Avenue, Pittsburgh, PA 15205*

**Who Should Attend:** Civil Engineers who have forgotten basic electrical engineering and wish to refresh their knowledge of how electricity affects their projects. Also learn the trends in the industry, electrical safety for construction sites, some cool toys (subsurface utility detection), and how pumps, motors, and electric valve actuators work.

Register and pay online at: [http://www.asce-pgh.org/ViewEvent.ashx?eventId=790714](http://www.asce-pgh.org/ViewEvent.ashx?eventId=790714)

Or, mail your payment and the registration form below:

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<th>Registration Form EE for CE: Fundamentals of Electrical Engineering for Civil Engineers</th>
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<td><strong>Friday, May 16, 2014, 8:00 AM to 5 PM,</strong> DoubleTree Hotel in GreenTree, 500 Mansfield Avenue, Pittsburgh, PA 15205</td>
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Please mail this registration form by **May 2, 2014** with a check payable to “**ASCE Pittsburgh Section**” to: Robert Dengler II, P.E., ASCE Pittsburgh Section Treasurer, Foster Plaza III, Suite 200, 601 Holiday Drive, Pittsburgh, PA 15220.

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**Check enclosed**

ASCE Membership No.  
Membership dues paid for the current year (Yes/No).

**Registration / Cancellation Policy:** Member discount is available only if you have paid membership dues for the current year. This class has 100 seats which will be reserved on a first come basis. If you are registering in the last week, please contact us before sending payment to make sure seats are still available. If the class is full, we will return your payment. Cancellations must be made in writing via email to KathrynPower@live.com. If you cancel 7 business days or less prior to the seminar start date, no refund will be issued. Refunds before 7 business days will deduct a 25% per week cancellation penalty. For example, cancellations 8-14 business days prior to the seminar start date will get a 75% refund. No refunds will be issued for no-shows. If we must cancel a seminar due to insufficient enrollment, your registration fee will be refunded in full.
Course Outline

8:00 – 8:30 Registration

1. Fundamentals of Electrical Engineering for Civil Engineers
8:30 – 10:30 Basic Undergraduate Electrical Engineering That You Have Forgotten
10:30 – 10:45 Coffee Break, Networking, Exhibits
10:45 – 11:45 Traffic Signal Systems and Equipment
11:45 – 1:00 Lunch, Networking, Exhibits

2. Applied Electrical Engineering for Civil Engineers
1:00 – 2:30 Electrical Safety on the Construction Site
2:30 – 2:45 Break, Networking, Exhibits
2:45 – 3:45 Subsurface Utility Detection Technologies
3:45 – 4:45 Electric Valve Actuators
4:45 – 5:00 Door prizes
5:00 – 7:00 Happy hour

This is a tentative schedule which may change slightly due to speakers’ availability.

Contacts

• Sam Shamsi, PE, Chair Continuing Education Committee, sam.shamsi@gmail.com, 412-298-7932
• Kathryn Power, EIT, Event Chair, KathrynPower@live.com 412-429-4966

Event Sponsorships and Exhibition Space Available – Please contact the Event Chair, KathrynPower@live.com for sponsorship/exhibitor information.