

# NJSPE CONTINUING EDUCATION

Offering 7 PDH Credits for Professional Engineers.  
Accreditation for NJ, PA and/or NY is noted for each session.



## MAY 16, 2017

Cherry Hill Crown Plaza  
2349 West Marlton Pike, Cherry Hill, NJ 08002

- NJSPE EARLY Full day Member Rate: **\$275**
- Non-Member EARLY Full day Rate: **\$325**
- NJSPE EARLY ½ day rate: **\$150**  
(select AM or PM)
- Non Member EARLY ½ day rate: **\$175**  
(select AM or PM)

**\*LATE Rates take affect after May 8, 2017**

## MAY 22, 2017

The Palace at Somerset Park  
333 Davidson Avenue, Somerset NJ, 08873

- NJSPE LATE\* Member Rate: **\$300**
- Non-Member LATE\* Rate: **\$360**
- NJSPE LATE ½ day rate: **\$175**  
(select AM or PM)
- Non Member LATE ½ day rate: **\$200**  
(select AM or PM)

### REGISTRATION INCLUDES:

On-Site Registrations are based on space availability with an additional fee of \$25. No exceptions. Full day includes Continental breakfast, lunch, afternoon break and all CE sessions. Half day AM includes Continental breakfast, lunch and the morning sessions prior to lunch. Half day PM includes lunch, afternoon break and the sessions after lunch.

**Current ASCE and NSPE members from States other than NJ may take the member rate. Membership will be verified.**

NOTE: Contributions and payments to 501(c)(6) organizations are not deductible as charitable contributions on federal income tax returns although they may be deductible as trade or business expenses. Substitutions are permitted if you are unable to attend. Registrant must email to: [jlombardi@njpsi.com](mailto:jlombardi@njpsi.com) 48 hours prior to the event with the name, address, phone and email of the person taking your place.

NJSPE will accept cancellations with refund up to one week prior to the date of the program. A cancellation fee of \$25 will apply. Refunds cannot be issued after that time but registration substitutions are permitted.

**JOIN  
NJSPE  
TODAY**

and use the  
member rate  
today! Call NJSPE  
at (609)393-0099  
and speak to  
Membership  
Director,  
Kelly Biddle, or

**CLICK HERE**

## REGISTRATION IS ONLINE: CLICK HERE

# PROGRAM SCHEDULE

## 7:30 – 8 AM

Registration and Continental Breakfast

## 8:00 – 9 AM

Porous Asphalt Pavement for Storm Water Management

Accreditation: 1 PDH credit, NJ, PA, NY

Speaker: James J. Purcell, PE

The use of porous asphalt pavement to reduce storm water runoff has become commonplace throughout the State of New Jersey and elsewhere in the Northeast. While the engineering community has focused on this best management practice from a storm water runoff perspective, little emphasis has been spent on the actual design and construction of the system as a pavement to sustain loads. This presentation will discuss the basics of porous pavement systems, including the current regulatory requirements, the materials to be used, construction and maintenance best practices, and the state of the practice for design of porous pavements as a structural element.

## 9:15 – 10:15 AM

Digital Signatures and Seals – An Introduction

Accreditation: 1 PDH credit, NJ, PA, NY

Speaker: James J. Purcell, PE

Digital signatures and seals are now an improved method of signing and sealing engineering documents in the State of New Jersey and have been in many other jurisdictions for several years. This seminar will describe what digital signatures and seals are, discuss the history and legal basis for them, and demonstrate their practical application. A description of software solutions and vendors will be provided, identifying the many levels of service and cost.

## 10:30 AM – 12:30 PM

Professional Engineering Ethics 101

Accreditation: 2 PDH credits, NJ, PA, NY

Speaker: Lawrence Powers, Esq.

The learning objective is to expose the seminar participants to various engineering related professional and statutory codes of ethics in order to indoctrinate ethics awareness and an understanding of ethical standards common to all jurisdictions, including those of the participants, so that the participants understand the boundaries of ethical engineering behavior. The program is broken into three parts. Introduction to common statutory and regulatory ethics rules; review of the National Society of Professional Engineers Code of Ethics with examples of common ethics rules, illustrative

case studies to consider, with particular emphasis on the similarities and difference between governmental and professional society sanctions; practical reasons for ethical practice, how unethical practice can present professional liability, legal, licensure and moral issues, public health, safety and welfare.

## 12:30 – 1:30 PM

Lunch

## 1:30 – 4:30 PM

NJ DEP Presentation: Recently Adopted Amendments to the Flood Hazard Area Control Act Rules

Accreditation: 3 PDH credits, NJ

Speaker: May 16, Damian Friebe, Environmental Engineer 3

Speaker: May 22, Chingwah Liang, Environmental Engineer 3

The NJDEP Division of Land Use Regulation has moved forward with significant regulatory changes that directly impact development activities within the State. We are pleased to present a seminar on the recently adopted amendments to the Flood Hazard Area Control Act Rules. The presenter will discuss the technical and permitting regulatory changes to the flood hazard area program.

## 3:00 – 3:15 PM

Refreshment break

# SPEAKER BIOS

**Damian Friebe** is an Environmental Engineer III with more than 16 years of experience for the NJDEP's Division of Land Use Regulation ("DLUR"). In his role, Damian performs the review of environmental control work consisting of design calculations, plans and project specific specifications, while utilizing laws passed like the Flood Hazard Area Control Act and Freshwater Wetland Protection Act, to issue permits intended to minimize damage to life and property from flooding caused by development within regulated areas and to preserve the quality of surface waters. In addition, Damian also works as a review zone officer for the Delaware and Raritan Canal Commission, where his primary responsibility is to prepare staff reports for the Commission's Executive Director for consistency with the Master Plan of the Delaware and Raritan Canal State Park for all public and private projects located within the Commission's review zone. Lastly, Damian is a licensed professional engineer in the State of Delaware and graduate from the Florida Institute of Technology with a B.S. in Civil Engineering.

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**Chingwah Liang** is an Environmental Engineer with over 12 years of experience with the NJDEP Division of Land Use Regulation (DLUR). During those 12 years, Chingwah has worked in the Bureau of Urban Growth and Redevelopment, Bureau of Inland Regulation, and the Bureau of Coastal Regulation. Chingwah has experience in the review of design calculations, plans, and project specifications related to various regulated activities including flood control projects, bridge and culvert replacements, roads, land fill closures, and industrial, commercial, and residential development, utilizing the Flood Hazard Area Control Act Rules and the Stormwater Management Rules. Chingwah is a graduate of Stevens Institute of Technology with a Bachelor of Engineering in Civil Engineering.

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**Lawrence P. Powers** is Partner and co-chair of the Construction Litigation Department at Hoagland, Longo, Moran, Dunst & Doukas, LLP. Larry's practice is focused on handling complex, multi-party construction related professional liability claims. He has tried numerous complex construction cases to a jury verdict. Admitted in 1984, he has over 25 years of experience in litigating, arbitrating and mediating construction disputes, regularly handling difficult loss prevention and risk management assignments for all of the major professional liability insurers. Larry serves as general counsel to AIA-New Jersey, the New Jersey Society of Professional Engineers and ASLA-New Jersey. He regularly represents design professionals in disciplinary matters before the New Jersey State Board of Architects and Landscape Architects and the New Jersey State Board of Engineers and Land Surveyors. Mr. Powers has achieved a peer review rating of "AV", the highest mark given by other members of the legal profession. He is admitted to practice in the state and federal courts of New Jersey. He was named "Lawyer of the Year 2012" in the Construction Litigation category by Best Lawyers® for the Woodbridge, NJ Metropolitan area.

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**James J. Purcell** is a Professional Engineer with over 30 years of experience in consulting engineering, primarily in the design of highways and other infrastructure. A resident of Lawrenceville, New Jersey, Jim has been a member of the New Jersey State Board of Professional Engineers and Land Surveyors since 2005 and has served twice as the board president. He has served on a number of NCEES committees, including chairing the Committee on Law Enforcement and as NCEES Northeast Zone assistant vice president before accepting his commission as NCEES Northeast Zone Vice President in 2013. As vice president, Jim served on the NCEES board of directors and as the zone's administrative officer through 2015.

A licensed professional engineer since 1998, Jim is currently technical director of the New Jersey Asphalt Pavement Association and is an adjunct professor at The College of New Jersey, teaching courses in construction management, engineering economic analysis, and the fundamentals of engineering design. In his role as the Technical Director of the New Jersey Asphalt Pavement Association, he is responsible for representing the asphalt pavement industry as a liaison to government and private customers, assisting the members on technical issues, and providing continuing education to the members and the public. He also serves on the National Asphalt Pavement Association's Committee on Asphalt Research and Technology, Engineering Advisory Council, and on NAPA's Task Working Groups on Pavement Design and Product Category Rules / Environmental Product Designation.

Jim is a 1986 graduate of the University of Connecticut, receiving his Bachelor of Science degree in civil engineering. He is a member of several professional societies, including the National Society of Professional Engineers, the American Society of Civil Engineers, the American Society of Highway Engineers, and the Order of the Engineer.