

# NJSPE CONTINUING EDUCATION WEBINAR

Offering 4 PDH credits for Professional Engineers in NJ, NY, PA and other states that accept NJ or NJSPE accredited programs.



**WEBINAR!**

**TUESDAY, JUNE 30, 2020!**

**Registration cut off:  
June 27th at 5 PM**

- **NJSPE Member Rate - 2 classes: \$145**
- **NJSPE Member Rate - 1 class: \$80**
- **Non-Member Rate - 2 classes: \$195**
- **Non-Member Rate - 1 class: \$110**

**Questions: [jlombardi@njpsi.com](mailto:jlombardi@njpsi.com);  
609-393-0099**

**REGISTRATION INCLUDES:**

Zoom Webinar with moderator. Participants will be sent the webinar link one to two days before so they can log on and be sure they are compatible.

**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:  
REGISTER HERE**

Review the Program and Schedule, below.

# JUNE 30, 2020

## Webinar Schedule

8:45 - 9:00 AM

**Join the Webinar**

9:00 - 11:00 AM

### **Construction Quality Assurance and Construction Engineering and Inspection Services for the Goethals Bridge Replacement**

*Accreditation:* 2 PDH credits, NJ, PA, & NY

*Speakers:* James D. Adams, P.E., Scott V. Plant, P.E., and Abdolrasool Sheikh-Attar, P.E.

The Goethals Bridge Replacement Project required innovations in monitoring permitting, quality assurance (QA), resource tracking, and Construction Engineering and Inspection (CEI) scheduling. KSE performed Construction QA and CEI Services, and developed testing procedures for construction materials. Document control procedures ensured that current documents were available and obsolete documents were identified/removed. Controlled Inspection checklists ascertained that design and construction requirements for work elements were fully documented before acceptance. Nonconformance and Daily Work Reports documented project quality. The CEI services were iteratively reviewed/improved, allowing the development of innovative practices to manage large, complex projects. These practices can be applied to other projects.

11:00 - 11:15 AM

**Break**

11:15 - 1:15 PM

### **Ethics for Professional Engineers**

*Accreditation:* 2 PDH credits, NJ, PA, & NY

*Speaker:* Jim Purcell, P.E.

"Engineering is an important and learned profession. As members of this profession, engineers are expected to exhibit the highest standards of honesty and integrity. Engineering has a direct and vital impact on the quality of life for all people. Accordingly, the services provided by engineers require honesty, impartiality, fairness, and equity, and must be dedicated to the protection of the public health, safety, and welfare. Engineers must perform under a standard of professional behavior that requires adherence to the highest principles of ethical conduct." NSPE Code of Ethics Preamble.

The presentation will provide an overview of the need for ethics in professional engineering; what the NSPE Code of Ethics, through the Fundamental Canons, Rules of Practice, and Professional Obligations, requires of professional engineers; and what steps can be taken to practice ethical decision making. This will be compared to legal obligations as promulgated in New Jersey regulations, with a comparison to the NCEES Model Rules. Discussion of some example cases from the NSPE Board of Ethical Review will be included.

# SPEAKER BIOS

**James D. Adams, P.E.** is a Vice President / Field Project Manager for Construction Services. He was responsible for managing KSE's Construction Engineering and Inspection (CEI) and Quality Assurance (QA) contract for the Goethals Bridge Replacement Project. Mr. Adams is a licensed Professional Engineer in the state of NJ, with more than 30 years of engineering, construction, and project management experience on projects of varying complexity and size. He is an experienced leader, capable of leading and managing diverse teams in both stable and changing environments. He is experienced in construction engineering and management, municipal engineering, operations management, and facilities management.

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**Scott V. Plant, P.E.** is a Senior Structural Field Engineer with more than 25 years of experience providing Resident Engineering services for many of the local transportation agencies in the New York and New Jersey marketplace including: PANYNJ, NYCDOT, NYSDOT, MTA-Metro North, MTA – New York City Transit and MTA-Bridges and Tunnels NJ Turnpike. He is a licensed Professional Engineer in the states of NJ and NY. As the Senior Structural Field Engineer for construction at the Goethals Bridge, he was responsible for implementing Quality Assurance Scope of Services for above grade work as outlined in the approved Construction Quality Management Plan, including required inspection, testing and reports.

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**Jim Purcell, P.E.** has over 40 years of engineering experience in civil engineering design, construction, and inspection. After 35 years in the consulting community, Jim served as technical director of the New Jersey Asphalt Pavement Association from 2013 to 2019 and is currently providing professional services to multiple firms. Jim also serves The College of New Jersey as a member of the Industry Advisory Council and as an Adjunct Professor, teaching the next generation of engineers the fundamentals of engineering design, the importance of licensure, and the importance of ethics. Jim is a licensed professional engineer in New Jersey, Connecticut, New York, Pennsylvania, Delaware, and North Dakota. Jim serves on the New Jersey State Board of Professional Engineers and Land Surveyors, having been appointed in 2005, holding the position of Board President twice. He is currently the Immediate President of the National Council of Examiners for Engineering and Surveying and has served NCEES in numerous capacities over the past 10 years.

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**Abdolrasool Sheikh-Attar, P.E.** is a Senior Project Engineer. He is a licensed Professional Engineer in the states of NY, NJ, LA, and FL, and has extensive experience in construction inspection and supervision on a variety of bridge and roadway rehabilitation/reconstruction projects in NY and NJ. He was a Senior Project Engineer for the Goethals Bridge Replacement Project. Mr. Sheikh-Attar was responsible for overall coordination among the Senior Engineers, successful implementation of the inspection and quality assurance programs, management and administration of the scope of services, and the ethical conduct of the CEI effort. He oversaw correspondence to the Developer or the Lead Contractor from the CEI; developed policies, methods, practices, and procedures for the CEI to ensure conformance with the scope of work as stated in the scope of services; regularly reviewed policies, etc.; assembled and managed a construction engineering administration, inspection, and quality assurance program; ensured complete CEI documentation and correspondence regarding the work to be covered in the scope of services; and represented the CEI in performance review meetings with the Authority and the Developer.

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