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## APR. 23, 2018

- NJSPE EARLY Full day Member Rate: **\$275**
- Non-Member EARLY Full day Rate: **\$325**

**\*LATE Rates take affect after April 16th**

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### REGISTRATION INCLUDES:

On-Site Registrations are based on space availability with an additional fee of \$25. No exceptions. Full day includes Continental breakfast, lunch, all day refreshment breaks, and all CE sessions.

**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 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.

**REGISTRATION IS ONLINE:  
CLICK HERE**

# PROGRAM SCHEDULE

**7:45 - 8:30 AM**

## Registration and Continental Breakfast

**8:30 - 9:30 AM**

### **2018 IFGC® Update**

Accreditation: 1 PDH, NJ, NY, PA

Based on the 2018 International Fuel Gas Code® (IFGC®)

Presenter: James D. Quigley, M.C.P., C.B.O., B.C.O.

This seminar introduces participants to the major changes from the 2015 IFGC to the 2018 IFGC. Participants will discuss the changes, reasons for the changes, and take part in knowledge review activities. Information presented will allow participants to apply these new code requirements to design, plan review, and/or inspection.

**9:45 - 11:15 AM**

### **2018 IMC® Update**

Accreditation: 1.5 PDH credit, NJ, PA, & NY

Based on the 2018 International Mechanical Code® (IMC®)

Presenter: James D. Quigley, M.C.P., C.B.O., B.C.O.

This seminar introduces participants to the major changes from the 2015 IMC to the 2018 IMC. Participants will discuss the changes, reasons for the changes, and take part in knowledge review activities. Information presented will allow participants to apply these new code requirements to design, plan review, and/or inspection.

**11:30 AM - 12:30 PM / 1:15 - 2:15 PM**

### **Professional Engineering Ethics 101**

Accreditation: 2 PDH credit, NJ, PA, & NY

Presenter: Lawrence Powers, Esq.

The learning objective is to expose the seminar participants to various engineering related professional and statutory codes of ethics 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 several 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 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, moral and public health, safety and welfare issues.

**12:30 - 1:15 PM**

## Lunch Buffet

**2:30 - 4:30 PM**

### **NJ's Local Safety Program implementing EDC-4/ STIC Resources**

Accreditation: 2 PDH credits, NJ

Presenter: Dan LiSanti, Project Manager, NJDOT; Caroline Trueman, FHWA's NJ Division Office Safety Engineer

Recent federal legislation has added Transportation Performance Management requirements for federal aid recipients. In this context, New Jersey Department of Transportation has established fatality and injury crash reduction targets for calendar year 2017. Effectively achieving significant reductions in crash events is dependent on integrated approaches to transportation planning, design and management. One common misconception among designers is that standards-based approach, updating project locations to current MUTCD and AASHTO Design Standards, optimizes safety performance. In fact, a design standards approach, commonly referred to as 'nominal design', does not necessarily equal safety. Maximizing infrastructure investments' safety benefits warrants considerations of contributing factors. Selection of infrastructure treatments that maximize reductions in exhibited crash types is key to improved safety performance. Quantifying the benefits of infrastructure changes at a project location can be problematic without safety performance analysis tools. AASHTO's introduction of the Highway Safety Manual, HSM, provides designers with statistically reliable safety performance tools to inform project decision makers. Substantive safety design approaches, in contrast to nominal design, incorporate scientific findings to quantify anticipated safety performance benefits.

This two-hour session will include: discussion NJ's Safety Performance Measure Targets, an overview of application of the HSM, examples and comparisons of nominal versus substantive safety design approaches, updates with respect to NJDOT's latest safety data mining tool (Safety Data Voyager), and an overview of FHWA's latest Proven Safety Countermeasures; Why FHWA is Promoting Them and Where They May Help.

**4:30 PM**

## Adjourn

# SPEAKER BIOS

**Daniel LiSanti** has worked for NJDOT for the past 12 years. Dan is a Project Manager for New Jersey Department of Transportation's, Bureau of Transportation Data and Safety. The Bureau is part on NJDOT's Planning Division. Currently, Dan oversees three sections within the Bureau: Roadway and Crash Data, Traffic and Technology and Safety Programs. As Project Manager, Dan administrates the Safety Programs section within the Bureau to significantly reduce the frequency and severity of overall crashes and specific crash types occurring on the state, county and municipal highway systems. He is also responsible for administration and delivery of the NJ's \$57 Million Highway Safety Improvement Program.

Prior to joining NJDOT, Dan practiced engineering for 10 years in the private sector. He has a Bachelor's of Civil Engineering from the University of Minnesota and is a licensed Professional Engineer in the State of NJ.

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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 D. Quigley, M.C.P., C.B.O., B.C.O.** received his undergraduate degree in political science at Villanova University and continued graduate studies at Dickinson School of Law Carlisle, PA., Pennsylvania State University (Public Administration), Indiana University of Pennsylvania (Safety Science), and Lock Haven University (Liberal Arts). Other postgraduate leading to certifications include Trinity University, San Antonio, TX (Certified Solar Specialist); Drexel University (Accredited Building Inspector and Facilities Management Planner for Asbestos); Cook College, Rutgers University (Radon Measurement Operation); National Fire Academy (Fire Inspector I) ; and Purdue University (Pest Control Technology). During a multifaceted career, while serving as the Chief Health Officer for the City of Harrisburg, PA, he obtained certifications through the Centers for Disease Control in Atlanta in Foodborne Disease Control and Environmental Protection. He is an ICC Master Code Professional, Certified Building Official, and a Pennsylvania Certified Building Code Official.

For the past 19 years as president of National Code Consultants, Inc.(NCCI) he provides creative consultation services for architects, engineers, project developers, building contractors and cost effective organization and administration of municipal code departments. In addition, he serves as general manager of National Inspection Agency, a division of NCCI, doing comprehensive independent plan examinations and inspections for municipalities, design professionals, commercial developers, and third party electrical inspections. He has served in many government code administration capacities: Housing Inspector, Rehabilitation Technician, Chief Inspector, Codes Administrator, and Community Development Director for the City of Harrisburg; Director of Center Region Code Administration (PSU & surrounding municipalities). His Harrisburg experience also saw the merger of the City's Health Department, Urban Rat Program, Weatherization Program, & Demolition Program into the Code Administration Office. Serving as program coordinator and continuing adjunct instructor of the Construction Codes & Safety Science Associate Degree program at Harrisburg Area Community College satisfies a personal deep commitment to the expression of proficiency and professionalism of code administration. He administers and teaches in the only college level degree program in building codes in the Commonwealth of Pennsylvania, in addition to numerous seminars for federal, state, and local governments through ICC, Rutgers University, the University of Maine, the University of Wisconsin, Penn State University, and the University of Minnesota.

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**Caroline Trueman** has 20 years of transportation engineering experience in the public and private sectors. She has worked in Federal Highway Administration's NJ Division Office for the past 10 years as NJ's Highway Safety Engineer. Caroline's areas of responsibility include oversight of NJ's \$57 Million annual apportionment of the Highway Safety Improvement Program and the Railroad Highway Grade Crossing Program. Caroline has numerous collateral duties including highway lighting and pedestrian safety. Caroline also provides additional support to Federal Highways Office of Safety and the Resource Center as a subject matter expert on FHWA's Data Driven Safety Analysis Team. Prior to joining FHWA, Caroline worked as a utility engineer and highway lighting designer at Arora and Associates, PC. She began her career at the New Jersey Department of Transportation working in construction inspection, roadway design project management and access management. Caroline was the 2016 recipient of FHWA's National Filed Safety Leadership Award for her leadership in advancing highway safety and institutionalizing data-driven safety analysis in NJ. Caroline completed her Bachelor of Science in Civil Engineering at Widener University. She also holds a Master of Divinity from Princeton Theological Seminary.