

NJSPE CONTINUING EDUCATION WEBINAR

Offering 3 PDH credits and 3 PIE credits for NJ Professional Engineers and PE's in other states that accept NJSPE accredited programs.



FRIDAY, May 21, 2021
9AM - 12 NOON

- NJSPE Member Rate - \$69
- Non-Member Rate - \$138

Questions: jlombardi@njpsi.com;
609-393-0099

REGISTRATION INCLUDES:

Zoom Webinar with moderator. Participants will be sent the webinar link several 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 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:
REGISTER HERE

Review the Program and Schedule, below.

Course Title: How the Towers Fell, Lessons Learned from the 1993 and 9/11 Attacks

Accreditation: 3.0 PDH credits NJ, 3 PIE credits which NY State accepts

Presentation to the New Jersey Society of Professional Engineers

To understand "How the Towers Fell" we first need to examine how and why the WTC Complex and PATH Station were first constructed, the existing "New Jersey Tubes" they replaced, the details of the 1993 WTC bombing damage, the forensic investigation by ATF & FBI, the recovery and repair effort, and the lessons learned on improving security and emergency response at the WTC complex that was a factor during the 9-11 attack. This will be followed by a description of evacuation of the WTC complex after the first plane hit the towers, and how the Twin Towers and Seven WTC collapsed with a first-hand in-depth description of the site damage.

We will examine the damage to lower Manhattan and the severe economic impact that the tragic event had on the community and will build upon the information presented on the 1993 Bombing and the 9/11 attacks. It will also cover, temporary shoring, flood protection, and site cleanup from the 9- 11 attacks followed by the construction of the Temporary PATH Station, reconstruction, repairs to the PATH tunnels and Exchange Place Station in NJ. It will cover recommended improvements in building codes. It will foster discussion about whether a standard high-rise tower could have survived the 1993 Bombing and why the Twin Towers and 7 World Trade Center all remained stable for different time periods only to collapse later in a manner resembling controlled demolition.



Speaker: Joseph M. Englot, PE. Joe received both his B.S. and M.S in Civil Engineering from the Polytechnic Institute of Brooklyn in 1972. He joined HNTB in 2005 and as National Director of Infrastructure Security he oversees projects that reduce the vulnerability of bridges, tunnels, terminals and other types of transportation facilities to malevolent acts through the use of protective and physical hardening measures, as well as, projects to rehabilitate and retrofit bridges against the effects of natural hazards and general structural deterioration. He also has extensive experience in damage assessment and disaster recovery of transportation facilities due to ship collision, truck collision, storms, and acts of terrorism. Prior to joining HNTB Joe spent 33 years with the Port Authority of NY & NJ, where for 10 years he directed

all structural design as Chief Structural Engineer, followed by three years as Assistant Chief Engineer in charge of a multidiscipline design staff of Architects and Engineers. During that time Joe played a key leadership role in the damage assessment and disaster recovery programs from the 1993 Bombing and the 9/11 Terror Attack on the World Trade Center.

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