



IEEE THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

## Vehicular Technology Society

Join the NY Section of the Vehicular Technology Society for a

# Rail Technology Forum

- Featuring:**
- Ms. Sara Woitel, Project Manager, Metrom Rail**, will present and discuss application of Ultra-Wideband (UWB) technology on rail transit systems.
  - Mr. Stuart Landau, PE, Signal Engineer and Mr. Nagaratnam (Rabi) Rabindran, P.Eng., Engineering Manager, Parsons, NYC**, will present and discuss technologies that are currently being tested at New York City Transit for the acceleration of future Communications-Based Train Control projects.
  - Mr. Wilson Milian, PE., Design Manager, NYCT**, will present and discuss the latest updates to the IEEE 1474 CBTC Standards and Recommended Practices for CBTC Design, Interfaces and Functional requirements.

**Sara Woitel** is a Project Manager at Metrom Rail. Ms. Woitel has spent her career managing technical projects involving train safety systems and cellular networks. Over the past few years, she has been developing applications of Ultra-Wideband technology to rail transit systems, including product demonstration and pilot projects on the maintenance-of-way vehicles, safety overlay systems, positioning for CBTC, and the next generation of anchor-based rail control products. Sara holds a BS in Electrical Engineering.

**Stuart Landau, PE** is an engineer at Parsons where he supports rail transit signaling and train control projects in the NYC area. He began his career at the Port Authority Trans-Hudson where he served as Signal Engineer and helped introduce microprocessor-based equipment for non-vital applications. Outside rail transit, he developed mission-critical software in the financial industry. Mr. Landau is a member of the Institution of Railway Signal Engineers and an instrument-rated private pilot.

**Nagaratnam (Rabi) Rabindran, P.Eng.** is an Engineering Manager at Parsons. Rabi began his career at Alcatel (now Thales) as a Software Engineer and has been involved with CBTC projects for over 25 years. He subsequently joined Bombardier and worked on the JFK Air Train project, before joining Parsons to work on CBTC projects in the New York area. Rabi's other interests include bicycling and tennis.

**Wilson Milian, PE.,** is a Design Manager at MTA New York City Transit. Mr. Milian has 30 years of experience in managing large scale new technology projects, including NYCT's first CBTC project on the Canarsie Line. He holds a BS in Electrical Engineering, an MBA in Management, and is licensed PE in the State of NY. Mr. Milian is a senior member of the IEEE and Vehicular Technology Society and is currently serving as the 2018 Secretary of the IEEE 1474 CBTC Standards Committee, the 2018 Public Visibility Coordinator for IEEE Region 1 and was the Past Chairman of the IEEE NY Section, 2016-2017.

**When:**

**Tuesday, Dec 11, 2018  
5:00 pm – 7:00 pm**

**Where:**

**WSP NYC Office,  
2<sup>nd</sup> floor, conference room 2320  
1 Pennsylvania Plaza  
New York City, NY 10119**

**Refreshments will be offered at 5:00 pm, presentation starts at 5:30 pm.**

- ✓ **The forum is free and open to all IEEE members as well as non-members.**
- ✓ **2 hours of PDH credits available. Fee for the PDH credit award is \$5. Payments by cash only.**

**Please note advance registration is required for admission. Please register by email [muamer.dedovic.us@ieee.org](mailto:muamer.dedovic.us@ieee.org).**

Registration ends at COB, Dec 10, 2018. Additional information regarding program specifics can be obtained by contacting Mr. Muamer Dedovic at 347-470-4337 or by e-mail. Please bring proper identification for building access.