

BRANCH MEETING – March 10, 2020

Structural Engineering Institute
Eric Sammarco, PhD, PE

A Two-for-One Special: Highway Bridge Security and its Role in Enhancing Resiliency



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SPEAKER

Eric Sammarco, PhD, PE
Principal, Protection Engineering Consultants
President-Elect, Austin Branch, Structural Engineering Institute

Dr. Eric Sammarco is a Professional Engineer with twelve (12) years of structural engineering research and design experience. He currently serves as PEC's Advanced Technology + Research (AT+R) Team Leader and manages/supports projects and research efforts focused on mitigating risk to people, systems and mission-critical infrastructure from natural and man-made hazards, extreme accident scenarios, and hostile attacks. Eric's technical interests include assessment and design for blast, shock, and impact effects, application of advanced multi-physics modeling and simulation techniques, and application of performance-based analysis and design methodologies for natural and man-made hazards.

Eric has been heavily engaged in transportation infrastructure safety and security; key efforts have included primary authorship of the Federal Highway Administration's (FHWA) Bridge Security Design Manual, chief developer of the Anti-Terrorism Planner for Bridges (ATP-Bridge) software for the Department of Homeland Security (DHS), development of cable armoring technology for long-span bridges, and Principal Investigator of an applied research program with the Federal Railroad Administration (FRA) aimed at enhancing rail passenger survivability during a derailment event through resilient wayside structure designs.

Eric is President-Elect for the SEI Austin, TX branch. He also serves on the ASCE Bridge & Tunnel Security, Blast, Shock, and Impact, and Dynamic Analysis of Nuclear Structures technical committees. Eric holds B.S. and M.S. degrees in Civil Engineering from the University of Kansas and a Ph.D. in Civil Engineering from the University of Texas at Austin.



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ANNOUNCEMENT CONTACTS

- YMF Events – Leanne Cantalupo: ljcantalupo@garverusa.com
- EWRI – Sunit Deo: sunit.deo@hdrinc.com
- SEI – Scott Wallace: scott.wallace@jacobs.com
- ASCE TX Section – Genest Landry: genest.landry@austintexas.gov
- Corp. Sponsorship – Augustine Verrengia: augustine.verrengia@stantec.com
- Getting Involved with ASCE – Travis Isaacson: tisaacson@rios-group.com

Next Meeting – April 21, 2020 @ Phillips Event Center

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