

ITSC 2021 Special Session

**Resilient and Secure Navigation for Highly Automated
Transportation Systems**

Organizers: Zaher Kassas, Umit Ozguner, and Joe Khalife

Date/Time: September 20, 2021 (Monday) 11:00 AM – 12:30 PM EDT

Zoom link: <https://iu.zoom.us/j/82600185214>

Session Schedule

11:00-11:25: Keynote Presentation by Prof. Chandra Bhat "Predictive Analytics for Transportation in an Emerging PNT World of Ubiquitous Sensing."

11:25-11:40: "Autonomous Signal-Situational-Awareness in a Terrestrial Radionavigation System (I)," by Kor, Ronnie Xian Thong; University of Texas at Austin; Iannucci, Peter A.; University of Texas at Austin; Humphreys, Todd, E; University of Texas at Austin.

11:40-11:55: "Methodology for Hazard Identification and Mitigation Strategies Applied to an Overtaking Assistant ADAS (I)," by Capito, Linda; The Ohio State University; Redmill, Keith; The Ohio State University.

11:55-12:10: "Ground Vehicle Navigation Integrity Monitoring for Multi-Constellation GNSS Fused with Cellular Signals of Opportunity (I)," by Kassas, Zaher (Zak); University of California, Irvine; Mu Jia, Mu; University of California, Irvine; Lee, Halim; Yonsei University; Khalife, Joe; University of California, Irvine; Seo, Jiwon; Yonsei University.

12:10-12:30: Q&A Panel with Prof. Umit Ozguner, Prof. Zak Kassas, Prof. Chandra Bhat, Prof. Todd Humphreys, and Dr. Keith Redmill.