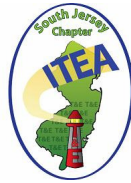


The Southern New Jersey Professional Societies



Presents:

"Continuous Monitoring Techniques for Detecting Emergent Behavior in the US National Airspace System"

Bruce Normann, R&D Program Manager CSSI, INC.

Test and evaluation (T&E) practices for complex System-of-Systems (SoS) have evolved over time to cope with the scale and scope of these systems, but reliable methods for detecting emergent behavior have remained elusive. It's a reasonable assumption that the US National Airspace System (NAS) has never been in the exact same state more than once in the last 30 years of operation. Recognizing the large number of known unknowns and the unknown unknowns that accompany any major change to a SoS, a great deal of Operational T&E is conducted on NAS systems before they are certified and deployed. The advantages of integrating T&E earlier into the system development lifecycle are well documented, and by extending T&E practices and principles into full lifecycle monitoring, an effective methodology for detecting emergent behaviors can be developed.

Wednesday, March 15, 2017

Location: Blue Heron Pines Golf Club

550 Country Club Dr, Egg Harbor City, NJ 08215

(609) 965-1800 Check their website for directions: www.blueheronpines.com

TIME: Social Time: **6:00 PM** Dinner: **6:30 PM** Speaker Approx: **7:45 PM**

MENU: Buffet style dinner

COST: \$19 AIAA/IEEE/INCOSE Members, \$23 ITEA/NSBE/HFES/Guests, \$15 Students

Reservations due by noon Tuesday, Mar 14

Joe Burns 609-485-4654 (W)

joseph.f.burns@faa.gov

Mike Konyak 609-485-5655 (W)

snj.aiaa@gmail.com

Holly Cyrus 609-485-4887 (W)

Holly.Cyrus@faa.gov