



San Diego Chapter
P.O. Box 262055
San Diego, CA 92196-2055

The INCOSE San Diego Chapter will hold its next membership meeting on Wednesday, **September 29, 2010**. This will be a free dinner meeting for INCOSE members and their guests.

TIME:

5:30 PM – 6:00 PM Sign-in and Networking/Dinner
6:00 PM Speaker Presentation
7:00 PM Adjourn

LOCATION:

[Scripps Ranch Community Center](#) (left-hand side of the street)
11885 Cypress Canyon Road
San Diego, CA 92131

SPEAKER:

J.R. Richardson, Principal Systems Engineer at Raytheon NCS Fullerton

TOPIC:

"A Safety Application Certification Framework"

ABSTRACT: Active vehicle safety applications, enabled by Dedicated Short Range Communication (DSRC) or other Vehicle Infrastructure Integration (VII) means, make "neat demonstrations". With the United States Department of Transportation (USDOT) leading the way in declaring "reduced traffic fatalities" as its #1 goal, there were plenty of vehicle safety demonstrations at the 2008 Intelligent Transportation Society (ITS) World Congress in New York City. Among the many demonstrations was Raytheon's video analytics-enabled Cooperative Pedestrian Warning System (CPWS). While the positive potential for these types of safety application is apparent, liability concerns have many in the industry wondering how to bridge the gap between "neat demonstrations" and real world deployments certified for Safety of Life. This presentation reveals how Raytheon, in cooperation with DSRC device certification authority OmniAir, will develop a safety application certification framework in 2009, based on methods proven in certifying the Wide Area Augmentation System (WAAS) for the Federal Aviation Administration (FAA) for sole-source Safety of Life air navigation.

ABOUT THE SPEAKER: J.R. Richardson is a Principal Systems Engineer at Raytheon NCS Fullerton, currently serving the Highway Transportation Management Systems (HTMS) group in strategic technology and business development. In 2008, J.R. filed 3 patents for his work on the Cooperative Pedestrian Warning System (CPWS). He also currently serves the transportation industry as a member of the OmniAir connected vehicle Certification Committee. Prior to joining HTMS he served the Navigation and Landing Systems (NLS) group as WAAS program System Safety Certification Lead for 5 years. He received his B.S. (1984) and M.S. (1992) in Aerospace Engineering from California State Polytechnic University, Pomona. He also has extensive experience in flight simulation (Northrop and Hughes Training), aircraft avionics design and implementation (Northrop and Lockheed Martin), and air traffic management systems development (Hughes/Raytheon). He joined Raytheon on the WAAS program in 1996 and has served the aerospace industry for 25 glorious years.

RSVP To: Joyce D. Williams at joycedwilliams@sbcglobal.net by **Sunday, September 26th**. This meeting is open to both members and non-members. **Bring a friend or colleague!**