

## Keynote Speaker

Mr. Gary Toth

*Head of C2 and Combat Systems, Office of Naval Research in Arlington, VA*

Mr. Toth has been a major proponent of building and refining a research program to support the navy's network centric, FORCENet architecture, which has the goal of providing the information transport infrastructure to enable integration of sensors, networks, decision aids, weapons, warriors, and supporting systems. He has also managed the Knowledge Superiority and Assurance Future Naval Capability and the critical Infrastructure Protection/High Confidence Adaptable Software University Research Initiative for Protecting COTS from the Inside, which has developed software assurance tools and new techniques for assessing and identifying vulnerabilities in integrating software using COTS components.

Prior to joining the Office of Naval Research, he served as Science Advisor to the Fifth and Sixth Fleet for 5 years, focusing on Joint US Navy theater issues spanning Joint Littoral, Joint Surveillance, Joint Strike, and Joint SEW/Intelligence mission areas. Mr. Toth has applied operational C4I expertise towards real world operations/exercises improving the coalition operational picture. These operations include the establishment of a coalition Common operational picture feeding Gulf Cooperative

Council nations permissible subsets of the tactical picture in near real time. Joint theater link initiatives, coalition and joint C4I interoperability (JMCIS and Link FMS cases, Ground Theater Air Control System (GTACS)/Low Altitude Surveillance System (LASS) integration, Radiant Mercury, etc.) and Specific Emitter Identification (SEI) are among the most significant. Additional efforts include the integration of joint and coalition surveillance system into USN ashore/afloat tactical systems including deployed theater aerostat radar. Significant progress has been made in demonstrating and implementing a common, coherent tactical picture across multiple geographically different command echelons and coalition forces. Mr. Toth has also assisted a NAVCENT/OPNAV upgrade and modernized the C4I facility to become a Joint Intel Center of Excellence.

His experiences give Mr. Toth a unique perspective on both research and operational requirements for accurately distributing a common data set across theater echelons. Mr. Toth remains an avid supporter of several research efforts you will see presented at the DDRTS'03 workshop.