



The R&D "Use" Of  
Propulsion Vehicles  
WORKSHOP



SYSTEM-OF-SYSTEMS  
An NIE Experience

# System-of-Systems Workshop An NIE Experience and The R&D 'Use' of Propulsion Vehicles Workshop

July 16 – 18, 2013

10:15 a.m. – 11:45 a.m.

Track 1 Moderator

Mr. Pete Christensen

OSD T&E Portfolio Manager

DASD DT&E Technical Advisor The MITRE Corporation

# System of Systems

## “An NIE Experience” Panelists

- COL Gregory C. Baine: 1020-1030
  - Chief, Brigade Modernization Integration Division (BMID).
- Mr. William D. Horton, Jr. 1030-1040
  - Deputy Project Manager, PM ASA/ALT System of Systems Engineering and Integration (SoSE&I) Directorate
- Colonel Daniel R. Hirsch 1040-1050
  - Director, Integrated Test and Evaluation Directorate (ITED), Army Operational Test Command (OTC)
- Lieutenant Colonel Ralph W. Radka 1050-1100
  - Deputy Commander for Operations 2nd Brigade, 1st Armored Division
- Mr. Richard Martinez 1100-1110
  - Chief, Future Force Division, Material Test Directorate, WSMR
- Q&A: 1110-1145

# Topics to Address

- What is your current involvement in NIE Events?
- What have been the greatest successes and Lessons Learned from the NIE Activities to date?
- What have been the greatest challenges and areas for improvement in NIE Activities to date?
- What do you see in the future for NIE?

Bios

# COL Gregory C. Baine



- Chief, Brigade Modernization Integration Division (BMID)
- Commanded 2nd Battalion, 30th Infantry Regiment, 10th Mountain Division, stationed at Fort Polk, Louisiana
  - 14-month combat deployment in Iraq
- Commanded Regional Support Command South, NATO Training Mission Afghanistan
  - 13-month combat deployment to Kandahar, Afghanistan
- Graduate of the Command and General Staff College at Fort Leavenworth, Kansas
- BA Political Science: Texas A&M University
- Dual MA Business and Management Webster University
- MA Strategic Studies: U.S. Army War College.

# Mr. William D. Horton, Jr.



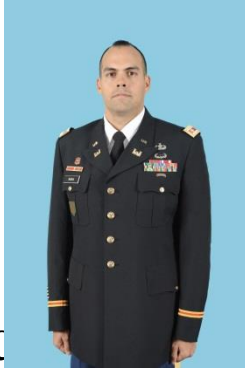
- Deputy Project Manager, PM ASA/ALT System of Systems Engineering Integration (SoSE&I) Directorate
  - Responsible for integrating network systems onto platforms participating in Network Integration Events (NIEs)
- 1975: Commissioned Regular Army Armor Officer
  - 2nd Squadron, 1st Cavalry Regiment, 2nd Armored Division: Fort Hood, TX
  - 2nd Armored Cavalry Regiment in Germany
  - Retired 1995 following a number of successful acquisition-related assignments
- Contractor from 1995 until 2009
  - Army programs at Redstone Arsenal, AL, Fort Knox, KY, Warren, MI, and Aberdeen Proving Grounds, MD
- Federal Service in 2009
  - Previously Lead engineer for PM Network Systems Integration at White Sands
- Commission: University of Mississippi 1975
- Masters Physics from MIT
- U.S. Army Officer Basic and Advanced Courses
- Defense Systems Management College PM Course (Class 83-1)
- US Army Command and General Staff College.

# Colonel Daniel R. Hirsch



- Director, Integrated Test and Evaluation Directorate (ITED) Operational Test Command (OTC)
- Previous assignments extensive
  - 32nd Army Air and Missile Defense Command Assistant Chief of Staff, THAAD Integration and Testing;
  - National Ports of Entry Directorate Transition Team Chief, US Forces-Iraq (OPERATIONS IRAQI FREEDOM and NEW DAWN);
  - Director and Deputy, TRADOC Capability Manager, Upper Tier (THAAD), Fort Bliss, Texas;
- 1985 ROTC Distinguished Military Graduate: Alfred University
  - BA (cum laude) Geology and Mathematics
- MS Industrial Engineering: University of Louisville
- U.S. Army Command and General Staff Officer Course
- US Army Operations Research Systems Analyst Course
- Combined Arms and Services Staff School

# Lieutenant Colonel Ralph W. Radka



- Deputy Commander for Operations 2nd Brigade, 1st Armored Division
- Previous assignments extensive
  - Senior Engineer Advisor to the Iraqi Federal Police during Operation New Dawn
  - Deputy District Engineer with oversight over the Baltimore District's D.C. Program Office
  - Commander HHC, 82<sup>nd</sup> Engineer Battalion: Operation Iraqi Freedom II
  - Resident Engineer on Ft. McNair, Washington, D.C.
  - Brigade S1 for Engineer Brigade, 1st Infantry Division
  - Platoon Leader, Company Executive Officer, and Battalion
  - Construction Officer for the 27th Engineer Battalion on Ft. Bragg
- Advanced Operations and Warfighting Course at Fort Leavenworth



# Mr. Richard Martinez

- Chief, Future Force Division, Material Test Directorate, WSMR
- Past National President of the Society of Mexican American Engineers and Scientists (MAES)
- Began Government Service 1981 Assignments include
  - White Sands Missile Range (WSMR) Materiel Test Directorate (MTD)
  - Ft. Bliss Systems Engineer Army Development and Acquisition of Threat Simulators (ADATS)
  - Washington D.C.: Acting Assistant Director for Ballistic Missile Defense Organization (BMDO) Test & Evaluation Directorate at the Pentagon
  - MTD Project Engineer for the Theater Missile Defense (TMD) targets
  - Chief of the Tactical Missiles Branch and Chief Applied Science Division
  - FCS Chief, Future Force Directorate
  - Operational Test Command (OTC) as Interim Director
- El Paso Native
  - Graduated 1979 University of Texas at El Paso (UTEP) BS Mechanical Engineering