



Operations Research Seminar

Research Opportunities with Defense Threat Reduction Agency (DTRA)

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Defense Threat Reduction Agency

Thursday, September 3, 2009

15:00-16:00 in GL-115

Refreshment 14:45-15:00 in GL-239

The Defense Threat Reduction Agency (DTRA) is the intellectual, technical and operational leader for the Department of Defense (DoD) in the national effort to combat weapons of mass destruction (WMD) threats. The Operations Research, Modeling, and Analysis Division within DTRA employs constructive simulation, data analytics tools, and operational research analyses. They partner with academia, industry, international science and technology partners and other government agencies to investigate, identify, research, develop, and transition innovative technologies that support the combating WMD mission. The Operations Research, Modeling and Analysis Division has funding to support several research topics for NPS OR students and faculty to include:

1. Model the U.S. nuclear weapon arsenal and associated delivery system availability.
2. Data mining with structured and unstructured data.
3. Improving agent behavior in simulations (e.g. JSAF).
4. Model capabilities of current and future WMD interdiction technologies.

Mr. Doug Boerman is a retired U.S. Navy Commander. Since 2008, he has served as an operations research analyst assigned to the Defense Threat Reduction Agency. Mr. Boerman holds a B.S degree from United States Naval Academy and a M.S. degree in Operations Research with a minor in wine snobbery from the Naval Postgraduate School. His military assignments include the USS Kitty Hawk (CV-63), Patrol Squadrons Forty Five (VP-45) and Forty Six (VP-46), the State Department Bureau of Verification and Compliance, and the United States Military Academy.