

## 2008 Summary of Research Reports

Captain Robert J. Voigt, USN  
Electrical Engineering Department  
[research@usna.edu](mailto:research@usna.edu)

**Project:** Joint Improvised Explosive Device Defeat Organization U.S. Service Academy  
Collaboration and Engagement

**Sponsor:** JIEDDO

### **Statement of Work:**

The purpose of the U.S. Service Academy Collaboration and Engagement Program is to: • Engage the breadth and depth of experience and expertise of the military and civilian faculty at the Service Academies • Engage the midshipman population to bring a fresh look at the C-IED problem and inform them of C-IED activities. • Engage a broader segment of current and future leadership of the military services in the counter-IED fight. Possible venues for collaboration and engagement: • Presentation Opportunities • Red-Team Activities • Student Academic Projects • Interdisciplinary Collaborative Advisory Committee • Basic & Applied Research Projects • Postdoctoral Associates • Sabbatical Funding. • Workshops or Seminars Relevant to C-IED Activities • Summer Internships for Midshipmen & Faculty

**Report:** [Voigt\\_ElectricalEngr\\_2008ResearchReport\\_JIEDDO.pdf](#)

**Project:** Trade study of hostile fire indications detection implementation techniques

**Sponsor:** Naval Research Lab

### **Statement of Work:**

This research and trade study will analyze sensor techniques for detecting hostile fire. It supports the development of real time digital signal processing hardware and software in the performance of the study.

**Report:** [Voigt\\_ElectricalEngr\\_2008ResearchReport\\_NRL.pdf](#)