Improvised Explosive Devices (IEDs) are the greatest casualty producing and costly weapon system employed by the enemy on the asymmetric battlefield of today. Despite billions of dollars spent on technological devices to counter the IED threat, IEDs are still responsible for roughly 50% of battlefield casualties. A tremendous amount of effort and resource has and continues to be levied in the pursuit of a technological solution to the IED problem. By contrast, little research has been done on Counter Improvised Explosive Device (CIED) procedures. This paper explores the potential of CIED procedures as a casualty reduction mechanism by comparing two observed tactical procedures used in patrolling convoy routes.

Major: Modeling and Simulation

Educational Career:
Bachelor's of Sociology, BA, 2007, New Mexico State University

Committee in Charge:
Dr. Michael Proctor, Chair, IEMS
Peter Kincaid, Professor
Patricia Bockelman, Professor

Approved for distribution by Dr. Michael Proctor, Committee Chair, on February 15, 2016.

The public is welcome to attend.