



# Transforming National Security The Directed Energy Battlefield: Obstacles to Success



A National Defense University and Forces Transformation and Resources Seminar  
Marshall Hall Room 155, Fort Lesley J. McNair, Washington, DC 20319  
March 19-20, 2008

## Day 1 – March 19, 2008

### 0830 Welcome and Introduction

**Dr. James M. Keagle**, Director, Transforming National Security Seminar Series  
Center for Technology and National Security Policy, NDU

### 0845 High Energy Weapons: What are the Issues for DDR&E and OSD Policy?

**Mr. Alan Shaffer**, Principal Deputy, DDRE (*Confirmed*)

### 0930 Framing the Policy Debate

**Colonel Kirk Hymes**, Director, Joint Non-Lethal Weapons Directorate (*Confirmed*)

### 1015 Panel: High Energy Weapons

**Moderator: Dr. Eli Zimet**, Overview and History of Directed Energy Weapons

**Mr. Michael Deitchman**, Department Head, Naval Air Warfare & Weapons Department, Office of Naval Research (*Confirmed*) - *Navy Free Electron Laser*

**Dr. Bernard Deuto**, Chief Engineer, Directed Energy Directorate, AFRL/RD (*Confirmed*)

**Dr. Lee Gutheinz**, Program Manager, Boeing-SVS – *Relay Mirror, Solid State Technologies* (*Confirmed*)

### 1115 Other Energy Weapons

**Dr. Eli Zimet** *Electro-magnetic Pulse (EMP)* (*Confirmed*)

**Mr. Michael Deitchman**, Deputy Chief of Naval Research, Naval Air Warfare & Weapons Department, Office of Naval Research -- *Rail Guns* (*Confirmed*)

### 1200 Working Lunch: Lt Col Kenneth Watman, Associate Director of Strategic Planning, Deputy Chief of Staff for Strategic Plans and Programs, Headquarters U.S. Air Force (*Confirmed*)

### 1300 Operationalizing Directed Energy Weapons

**Mr. Benjamin P. Riley III**, Director, Rapid Reaction Technology Office, Defense Research & Engineering, Office of the Secretary of Defense -- *Directed Energy Weapons ACTDs* (*Confirmed*)

### 1400 Break

### 1415 Panel: Non-Lethal Directed Energy Weapons

**Moderator: Mr. Terry Pudas**, Distinguished Research Fellow, CTNSP, NDU

**Ms. Susan LeVine**, Principal Deputy Director (Policy & Strategy), Joint Non-Lethal Weapons Directorate (*Confirmed*)

**Mr. David Law**, Science and Technology Chief, Joint Non-Lethal Weapons Program (*Confirmed*)

**Lt Col Anne Barrett**, Joint Non-Lethal Weapons Directorate, Human Effects Officer (*Reconfirmation Pending*)

### 1530 End Day One

## Day Two– March 20, 2008

- 0845 Administrative Remarks & Brief Summary of Day I**  
**James Keagle**, Director, Transforming National Security Seminar Series  
Center for Technology and National Security Policy, NDU
- 0900 International Treaties and Conventions Considerations**  
**Mr. W. Hays Parks**, Senior Associate Deputy General Counsel (SLS), Office of General Counsel, DoD (*Confirmed*)
- 1000 Break**
- 1015 Operationalizing Directed Energy Devices in Law Enforcement**  
**Mr. Joseph Cecconi**, Senior Program Manager, National Institute of Justice, DOJ (*Confirmed*)
- 1115 Science Board Task Force on Directed Energy Weapons: Reality Delays the Light**  
**Dr. Thomas Spencer**, Chief of High Power Microwave Division, Directed Energy Directorate, Kirtland AFB (*Confirmed*)
- 1215 Working Lunch Panel: Operators' Perspectives**  
**Moderator: Captain David Kiel**: Surface Navy Directed Energy Program Office, PMS-405 (*Confirmed*)  
**Colonel Dave Wooden** Chief, Directed Energy Division, ACC/A8D (*Confirmed*)  
**LtCol Chuck Ormsby** Chief, Directed Energy Requirement Branch (*Confirmed*)
- 1315 Break**
- 1330 Industry Perspective**  
**Mr. Shawn Miller**, Active Denial Capture Lead, Raytheon (*Confirmed*)
- 1330 Breakout Sessions: Technology and Policy – Opportunities and Impediments**  
Moderated by 3 or 4 people depending on class size
- 1415 Summary and Key Findings**  
**Dr. James Keagle**, Director, Transforming National Security Seminar Series  
Center for Technology and National Security Policy, NDU