



2024 GTRI EMSO Workshop, 17 – 19 September 2024

DAY 1: Disruptive EMSO

17 Sept 2024, Location: Building 11 Auditorium and Social Hub (S//NF)

- 0800 Registration Check-in / Security
- 0830 Admin / Agenda / Security Mr. Matt “Cess” Poole, (GTRI)
- 0845 Welcome Dr. Tommer Ender,
..... (*Deputy Director for Research (Electronics, Optics, & Systems)*)
- 0900 Disruptive EMSO Col William “Dollar Bill” Young, PhD (ret),
..... (*EMSO & Cyber Consultant*)
- 0930 **BREAK**
- 0945 FutureG Networks to Enable Integrated EMSO Dr. Jeff Sitterle,
..... (*Regents Researcher and Chief Innovation Officer, GTRI ICSD*)
- 1030 Machine Learning for Anti-Jam Beamformed Communications Mr. Navid Yazdani,
..... (*MIT Lincoln Labs*)
- 1115 **LUNCH** (90 minutes)
- 1245 TETRA Space Study Mr. David Zurn,
..... (*GTRI ELSYS*)
- 1315 INDOPACOM JEMSO Mr. Jabari Dia,
..... (*INDOPACOM J39 JEMSO*)
- 1345 EWBM & EMBM – Two Sides of the EMSO Coin Dr. Vasu Chakravarthy
..... (*AFRL-RYWE*)
- 1415 **BREAK**
- 1430 NDAA Section 1510 Project Non-Kinetic Capabilities Mr. Bryan Clark,
..... (*Hudson Institute*)
- 1515 Sensors-to-Effectors Integration Mr. Scott Teel, (GTRI-SISD)
- 1600 DAY 1 Closing Comments Mr. Poole, (GTRI)



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DAY 2: Directed Energy

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- 0800 Check-in / Security
- 0830 Admin / Agenda / Security Mr. Matt “Cess” Poole, (GTRI)
- 0845 Directed Energy Overview..... Dr. George Che,
..... (GTRI)
- 0915 Threat HPM & HEL Systems (S//NF).....Mr. Zach Marsh,
..... (AFRL RX – Counter-DE)
- 0945 **BREAK**
- 1000 JDETO DE Portfolio Mr. Sam Gutierrez,
..... (ManTech)
- 1030 Operationalizing High Power Microwave Weapons Dr. Gabriel Saffold, (GTRI)
- 1100 High-Power Solid-State Ultra-Wideband Sources as Scalable and Threat-Agnostic
Countermeasures for Electronic Target Defeat..... Mr. Joseph Croman,
..... (NRL)
- 1130 **LUNCH** (90 minutes)
- 1300 Atmospheric Characterization for HEL T&E..... Dr. Leda Sox (GTRI)
- 1330 Airborne High Energy Laser Study Mr. Johnathan Leach, (GTRI)
- 1400 **BREAK**
- 1415 Bioeffect Considerations for MMW Exposures.....Mr. Brent Voorhees,
.....(AFMC 711th Human Performance Wing)
- 1445 Object Oriented Modeling and Simulation for Directed Energy Dr. Bob Gardner,
..... (GTRI)
- 1515 **BREAK**
- 1530 DE C-UAS.....Dr. Sean Ross, (AFLCMC/XA)
- 1600 DAY 2 Closing Comments..... Dr. Che / Mr. Poole, (GTRI)



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DAY 3: EMSO Test & Evaluation and Modeling & Simulation

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- 0800 Check-in / Security
- 0830 Admin / Agenda / Security Mr. Poole, (*GTRI SWORD*)
- 0845 950th Spectrum Warfare Group Mission Brief Lt Col Scott Pratt,
..... (*950th SWG, 17 EWS DO*)
- 0930 Kill Web & EW Reference Architecture Dr. Clement Smartt,
..... (*GTRI ACL*)
- 1015 **BREAK**
- 1030 Joint EM System Warfare Integration Center Capabilities Mr. Matthew Harvey &
Mr. Clayton Kello (*NSWC Crane*)
- 1115 **LUNCH** (90 minutes)
- 1245 CogEW and M&S Mr. Mark McCans, (*GTRI SEAL*)
- 1315 Cognitive System HITL Test Environment (CYTHE) Dr. Chase Harrison,
..... (*GTRI ELSYS*)
- 1345 **BREAK**
- 1400 TRMC Cognitive EW T&E Mr. Damon Plyler,
..... (*SWRI*)
- 1445 **BREAK**
- 1500 Cyber Assassin Ms. Sydney Smalls, (*SPA*)
- 1545 Workshop Closing Comments Dr. Ender / Mr. Poole, (*GTRI*)