TUESDAY MORNING

High Energy Lasers I (Limited Distribution/Open)
Chair: David Mordaunt, Raytheon
Session is Limited Distribution D

0815 Welcome
Tim Newell, Air Force Research Laboratory

0830 Robust Electric Laser Initiative (RELI) Program Changes, Status and Results (D)
Don Seeley, HEL JTO

0915 High Energy Laser Weapon System Development: Lessons Learned (C)
Kip Kendrick, USASMDC/ARSTRAT

Session is now Open

1000 High Energy Lasers (A)
Martin Richardson, U of Central Florida

1025 Break

High Energy Lasers II (Limited Distribution/Open)
Chair: LeAnn Brasure, Schafer Corporation
Session is Limited Distribution D

1045 High Power Adaptive Optic Testing of Planar Waveguide Lasers at Raytheon (D)
Dave Mordaunt, Raytheon

1110 Coherently Combinable Multi-Kilowatt All-Fiber Amplifier (C)
Peter Thielen, Northrop Grumman

1135 High Efficiency and High Brightness Fiber Laser Power Scaling by Spectral Beam Combining (D)
Eric Honea, Lockheed Martin

Session is now Open

1200 Current Status and Most Recent Developments of Industrial Thin Disk Lasers (A)
Jochen Diele, TRUMPF Inc

1230 Lunch

DE Systems Symposium
25-29 August 2014, Monterey, CA
Beam Control Conference HEL Lethality Conference
Counter DEW Conference DE T&E Conference
Employment of DEW Conference DE Weapons Workshop
DE Modeling & Simulation Conference
Diode Laser Technology I (Open)
Chair: Greg Quarles, Opto-Electronics Management Network

1330 kW-Class, Line-Narrowed, Diode Laser Pump Source for DPAL Applications (A)
Rajiv Pandey, DILAS Diode Laser Inc.

1355 High-Power, High-Brightness Diode Laser Technology for Pumping Applications in Mass Production (A)
Greg Charache, TRUMPF Photonics

1420 Lightweight, Compact, High-Power, High-Brightness, Fiber-Laser Pump Module Based on a Scalable and Modular Architecture (A)
Rajiv Pandey, DILAS Diode Laser Inc.

1445 Break

Diode Laser Technology II (Limited Distribution/Open)
Chair: Jun Zhang, Army Research Laboratory

Session is Limited Distribution D

1515 Coherent Semiconductor Laser Array (C)
Chris Corcoran, Corcoran Engineering

1540 High-Power, High-Brightness Diode Laser Pump (C)
Chris Corcoran, Corcoran Engineering

Session is now Open

1605 Thin Format, Scalable, High Performance Microchannel Coolers for High Power Laser Diode Arrays (A)
Henry Eppich, Science Research Laboratory, Inc.

Optics Course
Online Distance Learning
2 September - 4 November 2014

Lead Instructor: Dr. Jack McCrae, AFIT

This course provides a basic introduction to the theoretical foundations of applied optics. The course is offered by the Center for Directed Energy (CDE) at the Air Force Institute of Technology. Students earn 3.2 CEUs from DEPS for successful completion of the course. Student performance is assessed by a series of pass/fail written exercises. Unclassified, Limited Distribution C
WEDNESDAY MORNING

Solid State Lasers I (Open)
Chair: Tim Newell, Air Force Research Laboratory

0825 Welcome
Tim Newell, Air Force Research Laboratory

0830 Study of Beam Combining Techniques for VECSELs or Fiber Lasers using VBGs (A)
Chunte Lu (Tim Newell), Air Force Research Laboratory

0855 Comparison of Power Scaling in 2Åm Fiber MOPA Architectures for Mid-IR OPO Pumping (A)
Joshua Bradford, LPL CREOL

0920 High Power, Large Core Ytterbium-Doped Photonic Bandgap Fiber Laser (A)
Guancheng Gu, Clemson University

0945 Break

Solid State Lasers II (Limited Distribution/Open)
Chair: Jeffry White, Army Research Laboratory

Session is Limited Distribution D

1015 Super-High Efficiency Fiber-Coupled Sources: Breaking the 50% Ex-Fiber Power-Conversion Efficiency Barrier (C)
Aland Chin, Somerville Laser Technology

1040 Multi-kilowatt All Fiber Coherent Combiner (C)
Gregory Goodno, Northrop Grumman

Session is now Open

1105 Design Approaches for Several Low-Cost High-Power Diffraction-Limited Lasers at Near Infrared (A)
Santanu Basu, Air Force Institute of Technology

1130 Lunch

WEDNESDAY AFTERNOON

Review of Laser Weapons System Design (Open)

1300 Short Course
Andy Motes, Schafer Corporation