



4th Annual Laser Safety Officer Advanced Training Workshop

AGENDA

July 15–Tuesday

TIME	TOPIC	SPEAKERS
7:00	Getting to the Workshop, Badging & Sign-in	
8:30	Opening Announcements	Ken Barat, Workshop Director Connon Odom/Jon Snell, Co-Host Chairmen
8:45	Welcome to Sandia National Laboratories	Mike Hazen, Vice-President, Sandia National Laboratories
9:00	ANSI Z136.6 Outdoor Laser Safety	Wesley Marshall, US Army Robert Aldrich, US Navy
10:15	Break, visit vendor tables, refreshments	
10:45	Range Safety at White Sands Missile Range	Mike Hart, White Sands Missile Range
11:05	Hazard Evaluation and Practical Solutions for Laser Weapon Simulators used in Force-on-Force Training Exercises	Arnold Augustoni, Sandia National Laboratories.
11:30	Group Photo	
11:45	Lunch	

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1:00	Lasers and Countermeasures	Wayne Mims, Center for Counter Measures
1:30	Laser Interferometer Gravitational-Wave Observatory (LIGO) Laser Safety	Peter King, Caltech-LIGO
2:00	Sandia Laser Tracker Operations and Safety	Timothy Miller, Sandia National Lab
2:30	Break, visit vendor tables, refreshments	
2:50	Laser Dazzlers	Douglas Thayer, US Air Force
3:10	ANSI Z136.7 Standard for Testing and Labeling of Laser Protective Equipment and ISO Eye Protection Standards	David Sliney
3:40	Closing Announcements and prepare for SNL Tours	Workshop Director and Host Chairmen
4:00	Tours of Z-Machine and Star Fire Optical Range	Click here for information about Z-Machine and Star Fire Optical Range
6:00	Kentek sponsored cook-out at Mountain View Club. Free food provided courtesy of Kentek. Cash bar available. Prior submission of a Visit Request is required for spouse/significant other.	Click for map to Mountain View Club , near Wyoming Gate

July 16 –Wednesday

TIME	TOPIC	SPEAKERS
8:30	Announcements	Workshop Director and Host Chairmen
8:45	Effects on Eyewear by Shaped Ultra-Short Pulses	David Moore, Los Alamos National Lab
9:05	Alignment eyewear use and approval	Ken Barat, Lawrence Berkeley National Lab
9:25	Z-Machine Laser Triggering System Design and Safety Features	David Bliss, Sandia National Lab



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9:45	Break, visit vendor tables, refreshments	
10:15	Presentation on ANSI Z136.1-2007	Johnny Jones, Laser Professionals, Inc.,
10:35	Presentation on ANSI Z136.8 – Proposed Standard on Laser Safety in Research and Development	Ken Barat, Lawrence Berkeley National Lab
10:55	Operational Experience and Hazards of Photon Doppler Velocimetry as an Alternative to VISAR	David Holtkamp, Los Alamos National Lab
11:15	Presentation on 10 CFR 851 – Department of Energy Worker Safety and Health Program	Dean Decker, US Department of Energy
12:00	Lunch	
1:15	Evaluation of LED and Broadband Light Source	Tim Hitchcock, Lightray Consulting
2:15	Protective Barriers	Will Arthur, Kentek Corporation
2:35	Break, visit vendor tables, refreshments	
3:00	Department of Energy Approach to Accident Investigation	Dean Decker, US Department of Energy
3:45	Real Investigations Los Alamos National Lab Case Study	Panel of Matt Hardy, Connon Odom, Dean Decker
4:15	Laser Safety and Fiber Optic Communications System	Larry Johnson, President of The Light Brigade Inc.,
4:35	Closing Announcements	Workshop Director and Host Chairmen

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5:30	Optional Dinner & Drinks at Elephant Bar & Grill in Albuquerque Uptown.	Click here for Menu Click here for information on and directions to Albuquerque Uptown
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July 17 –Thursday

TIME	TOPIC	SPEAKERS
8:45	Announcements	Workshop Director and Host Chairmen
9:00	Vision and Adaptive optics	Ben Rockwell, US Air Force
9:20	Los Alamos National Lab - Laser Inventory Database	Scott Greenfield, Los Alamos National Lab
9:40	Lasers in Robotics	Tom Lieb, L*A*I International
10:00	Overview of Laser Safety Techniques for on-orbit Calibration of Sensors on Earth-Orbiting Satellites - Sandia LAZAP Facility	Dave Denning, Sandia National Lab
10:20	Break, visit vendor tables, refreshments	
10:40	Department of Energy Computer-based Basic Laser Safety Training Course	Joanna Casson, Los Alamos National Lab
11:00	Review of Lawrence Berkeley National Lab Lessons Learned System	Melanie Gravois and Ken Barat, Lawrence Berkeley National Lab.
11:20	Closing Announcements/Information about 2009 LSO Workshop	Workshop Director and Host Chairmen