

AGENDA

3rd Annual DOE Laser Safety Officers Advanced Training Workshop

Tuesday, July 17

SESSION	TIME	TOPIC	SPEAKER
Registration Opens	7:30 AM		
CONTINENTAL BREAKFAST	7:30 – 8:30	APS Lobby Area Complimentary	<i>Sponsored by Spectra-Physics</i>
OPENING ANNOUNCEMENTS	8:30 – 9:00	Workshop Director Program Chair	Ken Barat , LBNL Bruce Murdoch , Argonne
RESEARCH APPLICATIONS	9:00 - 9:20	<i>Harmony of Laser Safety and R&D Work at Argonne's Laser Applications Lab</i>	Zhiyue Xu , Nuclear Engineering Division, Argonne
	9:20– 9:40	<i>Fundamental Physics Research w/lasers (preliminary title)</i>	Peter Mueller , Physics Division, Argonne
Break Vendor Displays	9:40 - 10:15	Gallery (Lower Level)	<i>Refreshments sponsored by Spectra-Physics</i>
TERAWATT/PETAWATT LABS – PART I	10:15 –10:45	<i>University of Texas Petawatt Laboratory</i>	Mikael Martinez , University of Texas at Austin
	10:45 –11:15	<i>LCLS at SLAC</i>	Bill White , SLAC
Lunch Break	11:15 –12:40		
TERAWATT/PETAWATT LABS – PART 2	12:40 – 1:10	<i>Mercury Lab at LLNL</i>	Rob Campbell , Lawrence Livermore Nat Lab
	1:10 - 1:30	<i>DICOLES – Univ. of Nebraska</i>	Sudeep Banerjee , Dept of Physics & Astronomy, Univ. of Nebraska
WELCOME TO ARGONNE	1:30 – 1:40	<i>Welcome from Argonne Management</i>	Robert Rosner , Laboratory Director
	1:40 – 1:50	<i>Welcome from Argonne Safety and Health</i>	Robert McCook , Director, EQO Division

Tuesday, July 17 (continued)

SESSION	TIME	TOPIC	SPEAKER
LASERS AT THE ADVANCED PHOTON SOURCE	1:50 – 2:10	<i>Overview of the Laser Safety Program at APS</i>	Edmund Elroy Chang , ESH/QA Coordinator, APS, Argonne
	2:10 – 2:30	<i>Ultra-fast Science with Synchrotron X-Rays</i>	Eric Landahl , X-ray Sciences Division, Argonne
	2:30 – 2:50	<i>Lasers for High-Pressure Research at GeoSoilEnviroCARS</i>	Mark Rivers , GSECARS-CAT, University of Chicago
	2:50 – 3:10	<i>Dynamics of Optical Phase-Change Materials Using optical Pump/X-Ray Probe Measurements</i>	Dale L. Brewe , PNC-CAT, APS, Argonne
Break Vendor Displays	3:10 – 3:40	Gallery (Lower Level)	<i>Refreshments sponsored by Spectra-Physics</i>
TOURS OF CNM & APS	3:40 – 5:30	Departing from APS Lobby	

Wednesday, July 18

SESSION	TIME	TOPIC	SPEAKER
CONTINENTAL BREAKFAST	8:00 – 8:45	<i>APS Lobby Area Complimentary</i>	
NANOTECHNOLOGY	8:45 – 9:15	<i>Future Laser Utilization in Nano Material Research at BNL</i>	Jack Preses , Chemistry Dept., Brookhaven
	9:15 – 9:45	<i>Laser Applications at Argonne Center for Nano Material Research</i>	David Gosztola , CNM Division, Argonne
Break / Vendor Displays	9:45 – 10:15	Gallery (Lower Level)	

Wednesday, July 18 (continued)

SESSION	TIME	TOPIC	SPEAKER
ANSI STANDARDS – PART I	10:15 – 10:40	<i>The New ANSI Z136.1-2007</i>	Bill Ertle , Rockwell Laser Industries
	10:40 – 11:10	<i>ANSI Z136.8 - Barriers</i>	Jerri Tribble US Navy
	11:10 – 11:30	<i>ANSI Z136.8 – R&D</i>	Ken Barat , LBNL
Lunch Break	11:30 – 1:00		
ANSI STANDARDS – PART 2	1:00 – 1:10	<i>Z136.1 – 2007, Impact on DOE 10 CFR851 Compliance</i>	Bruce Murdoch , Argonne
	1:10 – 2:00	<i>Panel Discussion</i>	Bill Ertle Jerri Tribble Ken Barat
DOE PERSPECTIVE	2:00 – 2:45	<i>DOE Perspective on Laser Safety</i>	Ray Blowitski , DOE HSS-32 Office of Analysis
Break / Vendor Displays	2:45 – 3:15	Gallery (Lower Level)	
TRAINING	3:15– 3:30	<i>Alignment Training at Los Alamos</i>	Connon Odom , LSO, Los Alamos
	3:30– 3:45	<i>On-the-Job Alignment Training</i>	Bruce Murdoch , Argonne
	3:45 - 4:00	<i>Training Beyond Laser Users</i>	Ken Barat , LBNL
	4:00 - 4:30	<i>DOE Web Course Update</i>	Connon Odom , LANL
IMPLEMENTING A LASER SAFETY PROGRAM	4:30 – 5:00	<i>PANEL DISCUSSION</i>	Bob Sarason , UC-Davis Mark Ludwig , LLNL Bruce Murdoch , Argonne Ken Barat , LBNL
BREAKOUT SESSIONS	5:00 – 6:00	<i>Web-Based Training Room E1100</i>	
	5:00 – 6:00	<i>Z136.8 & other issues Gallery (Lower Level)</i>	
BUFFET DINNER	7:00 PM	GUEST HOUSE	

Thursday, July 19

SESSION	TIME	TOPIC	SPEAKER
CONTINENTAL BREAKFAST	8:00– 9:00	APS Lobby Area Complimentary	
Announcements	9:00 – 9:10		
EYEWEAR & BIOEFFECTS			
	9:10 – 9:40	<i>Bioeffects of Ultrafast Laser Pulses - Fundamentals</i>	Jack Lund USAMRD-WRAIR
	9:40 – 10:00	<i>Chronic Effects of Coherent and Incoherent UV Radiation</i>	Mark Ludwig, LLNL
	10:00 –10:30	<i>Is Your Laser Eyewear Safe?</i>	Mark McLear, Glendale
	10:30 –11:00	<i>Eyewear Selection Factors</i>	Mary Klinke, NOIR Laser
	11:00 –11:30	<i>New Developments in Laser Eyewear</i>	Bill Janssen, LaserVision USA
Closing Announcements	11:30 –11:45		
ADJOURN	11:45	<i>Turn in evaluations</i>	