

Draft Agenda



Argonne National Laboratory will be hosting the 3rd Annual Department of Energy LSO Advance Training workshop July 17-19, 2007. Once again there will no registration fee; The Argonne guesthouse will be available for onsite, economical housing. Argonne is about 45-60 minutes from the two Chicago Airports. Vendors booths will be available during breaks.

Day 1 July 17, 2007

Registration

Introduction and Welcome Remarks

Session 1 Laser applications in Research

- Four presentations by researchers
- Nonbeam hazard presentation

Session 2 Terawatt/Petawatt laser labs, set ups, purpose, safety

- U.Texas Petawatt Facility
- LCLS, Stanford Linear Accelerator Center
- DICOLES- University of Nebraska

Session 3 Laser Safety & Nano Technology

- Argonne Center for Nan scale Materials
- Discussion of science application
- Second Nano-facility

Session 4 Configuration of safety controls for multi-user lasers at accelerator facilities –Advance Photon Source

- APS safety coordinator
- Discussion of Science Application
- Tour of APS

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Day 2 July 18, 2007

Session 5 ANSI Session

- The new ANSI Z136.1 Safe Use of Laser
- Status of Z136.8 Laser Safety in R&D
- ANSI Z136.7 Barriers
- DOE expectation of laser safety
- ANSI panel discussion

Session 6 Training

- How training Helped NIF
- Laser Alignment training
- Speaker on DOE web course
- Training of forgotten users

Session 7 implementing a laser safety program

- Panel discussion
- Break out session varied topics
- Workshop Dinner

Day 3 July 19, 2007

Session 8 Session on Laser eyewear for the ultra fast regime

- Bio-effects of Ultrafast laser pulses
- How laser eyewear works- fundamentals
- Factor that influence selection
- Ultrafast eyewear new solutions

Session 9 Workshop wrap up