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News

The SRI-2005 Detector Workshop

Dennis Mills (ANL) welcomes the attendees at the SRI-2005 Detector Workshop.

On December 8-9, 2005, a detector workshop sponsored by the National Science Foundation, with support from all of the U.S. synchrotron facilities, brought more than 70 U.S. and European participants to the Advanced Photon Source (APS). (The workshop was originally scheduled as part of the SRI-2005 meeting to be held in Baton Rouge, LA, which had been cancelled due to the devastation brought to Louisiana by Hurricane Katrina.) The purpose of the 2005 workshop was to update the status of different detector technologies that could be used to significantly upgrade the scientific capabilities of U.S. synchrotrons. The specific aims of the workshop were to:

- Assess recent detector developments both in the U.S. and abroad, in order to identify research opportunities that would enhance research capabilities at U.S. synchrotrons.
- Examine detector technologies, both short-term and long-term, and to suggest a strategy to insure that the U.S. researchers are competitive, and remain so, in synchrotron-based science.
- Acquaint young scientists with the present state of the art in detector research and to convey exciting possibilities for the future.
- Document the conclusions of the workshop as an aid to future planning.

A major conclusion of the workshop was that many U.S. synchrotron beamlines could be significantly improved by a program dedicated to detector upgrades and advanced detector development. This conclusion closely paralleled the one arrived at by participants in a previous detector workshop held in Washington, D.C., in 2000. The 2005 workshop recommended that the U.S. institute 5- and 10-year roadmaps to guide internationally competitive detector installation and R&D programs.

The conference organizers were: Al Thompson, Chair (LBNL; MBC); Workshop Committee Members: Sol M. Gruner (Cornell Univ.), John Arthur (Stanford Univ.), Dennis M. Mills (ANL), John D. Scott (CAMD), Edwin Westbrook (MBC), Peter Siddons (BNL), Howard Padmore (LBNL), and Ralf Wehlitz (SRC). The detailed suggestions from the workshop are posted on the APS website, along with .pdf files of all of the talks at: http://www.aps.anl.gov/News/Conferences/2005/Synchrotron_Radiation_Instrumentation/index.htm.

Fifth International Conference on Synchrotron Radiation in Materials Science
July 30-August 6, 2006 · Chicago, Illinois

The Fifth International Conference on Synchrotron Radiation in Materials Science (SRMS-5) is the next in a series of international conferences, held every two years, bringing together leading-edge synchrotron x-ray researchers in the materials sciences. The goal of these conferences is to provide an overview of the latest research developments in a broad range of materials areas including biomaterials and polymers, electronic and photonic materials, engineering materials, nanostructures, surfaces and interfaces, as well as other topics such as instrumentation and novel techniques. For more information, see http://www.aps.anl.gov/srms5.html.

Call for Proposals

At the Advanced Photon Source, our door is open to experimenters from all scientific disciplines whose research requires the highest brilliance hard x-ray beams in the Western Hemisphere.
General-user proposals for beam time during Run 2006-3 are due by July 14, 2006.
Information on access to beam time at the APS is at http://www.aps.anl.gov/user/beamtime/get_beam.html or contact Dr. Dennis Mills, DMM@aps.anl.gov, 630/252-5680.

Argonne National Laboratory is managed by The University of Chicago for the U.S. Department of Energy
The Advanced Photon Source is funded by the U.S. DOE, Office of Science, Office of Basic Energy Sciences

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