

# 2 Workshops and Seminars

## 2-1 IMSS Science Festa

The 1st IMSS (Institute of Materials Structure Science) SCIENCE FESTA was held on March 14-15, 2013 at EPOCHAL Tsukuba with the support of the user community and KEK. Following two Scientific Sessions with invited speakers—one concerning research using multiple types of study probes including synchrotron radiation, neutrons and muons for investigating materials, and the other concerning research on soft matter—a Poster Session was held on the first day. There were 239 user poster presentations, with results presented from 10 S-type and 3 U-type proposals. There were more than 40 presentations from the staff of the Accelerator Laboratory of KEK, Neutron Science Division and Muon Science Division of IMSS and PF staff, resulting in a total of 294 poster presentations. The 30th PF symposium, the annual users' meeting, the 1st KENS (KEK Neutron Science Laboratory) symposium and the 1st MSL (Muon Science Laboratory) symposium were held simultaneously on March 15, the second day. The IMSS SCIENCE FESTA provided an excellent opportunity to exchange a broad range of knowledge in such fields as synchrotron, neutron and muon science, and was attended by more than 500 users and IMSS staff. The main purpose of the PF symposium is to discuss the present status and future projects of the PF, and to encourage networking among users and PF staff through scientific presentations and discussions. At the beginning of the PF symposium, PF staff reported on the recent progress of the facility, including the rearrangement of beamlines. We also had two discussion sessions on future light sources at the PF such as ERL. In addition, a special session, "Closing Ceremony of Australian Beamline", was held. The Australian National Beamline Facility (ANBF) was Australia's first synchrotron beamline; it was installed at BL-20B at the PF in 1992 and officially opened the following year, and has been used for many scientific activities by Australian research groups. Following a presentation on the history of Australia's involvement at the PF by Professor Richard F. Garrett of the Australian Nuclear Science and Technology Organization, and a presentation on bioinorganic chemistry at ANBF by Professor Peter A. Lay of the University of Sydney, the closing ceremony was held. We greatly appreciate their scientific contributions to the PF. Another special session, "India-Japan Collaboration

at Photon Factory", was also held, at which Professor Milan K. Sanyal of the Saha Institute of Nuclear Physics presented the recent status of the Indian beamline, BL-18B, at the PF.

## 2-2 PF Workshops

Six PF workshops were held in FY2012. Anyone can propose such a workshop; free discussion is made on a specific scientific topic in synchrotron-radiation research and related applications. The proceedings of the workshops can be found in the KEK proceedings, which are available at the KEK Library.

- (1) "Silicon Single Crystal: Insatiable Pursuit towards Ideal Quality as Crop in Semiconductor Industry and X-ray Optical in Synchrotron Science", May 26-27, 2012. KEK Proceedings 2012-3.
- (2) "Buried Interface Sciences with X-rays and Neutrons 2012", June 26-28, 2012.
- (3) "Compact ERL Science Workshop II", July 30-31, 2012. KEK Proceedings 2012-10 (in Japanese).
- (4) "New Progress of Nanospectroscopy", September 13-14, 2012. KEK Proceedings 2012-5 (in Japanese).
- (5) "New Research Developments at KEK-Slow Positron Facility-Positron Diffraction and Ps Beam", October 3-4, 2012. KEK Proceedings 2012-11.
- (6) "The 1st Workshop on Advanced Observational Techniques - Local Structural Analysis and Imaging -", December 26, 2012. KEK Proceedings 2012-9 (in Japanese).

## 2-3 Seminars

The seminars hosted by each scientific project in the Institute of Materials Structure Science (IMSS) were arranged as seminars hosted by IMSS, and are called "IMSS Colloquium" and "IMSS Danwakai". These seminars provide an opportunity to exchange a broad range of knowledge in such fields as synchrotron, neutron and muon science. "IMSS Colloquium" invites leading scientists in each scientific field. "IMSS Colloquium" and "IMSS Danwakai" were held in FY2012.

<http://imss.kek.jp/seminar/colloquium/index.html>

<http://imss.kek.jp/seminar/imss-danwakai/2012/index.html>