

# 6 International Science Advisory Committee (ISAC)

The Photon Factory International Science Advisory Committee (ISAC) was chartered by the Institute of Materials Structure Science (IMSS) of the High Energy Accelerator Research Organization (KEK) with providing ongoing advice on the operations and strategic planning for the Photon Factory.

The 1st Photon Factory ISAC meeting was held at the Photon Factory on April 3-4, 2007. Table 1 shows a list of 10 ISAC members. At the ISAC meeting, ISAC heard a series of technical and scientific presentations, and following questions and discussion, ISAC met in closed session and formulated its observations, conclusions and recommendations.

The brief summary of ISAC recommendations is as follows.

- ISAC now acknowledges and strongly supports the management's strategy of developing hard x-ray beam lines on the AR and expanding the undulator-based SX beam lines on PF. This strategy takes advantage of the unique short-bunch capabilities of the AR for innovative x-ray science in the short time domain and the expansion capacity for undulators on PF and AR.
- ISAC recognizes that the prioritization of SX at PF is addressing the concerns that it raised earlier about the SX community and its access to cutting edge resources. PF is encouraged to continue to make this role a more visible part of its overall mission and identity. At minimum, this global strategy of continuing to push the forefront with hard x-ray

science (especially in support of the University community) and in parallel developing further the SX capabilities to fill a real need in Japan should be considered and discussed by the Japanese synchrotron science user community.

The final report of PF ISAC can be found at following URL. (<http://pfwww.kek.jp/ISAC07/index.html>)

To assess specific areas of PF scientific activity, two subcommittee meetings of PF ISAC were held on February 27-29, 2008. The subcommittee on Electronic Structure chaired by Prof. I. Lindau, and Medical Imaging chaired by Prof. K. Shinohara met, and after subcommittee meetings, the ISAC received a summary presentation at its meeting from the Subcommittee Chairperson, following discussion in executive session, ISAC accepted the report and endorsed its conclusions and recommendations.

The second meeting of ISAC was held on March 4-5, 2008. Table 2 shows a list of ISAC committee members for the second meeting. The executive summary of second PF ISAC meeting refers to following subject such as, "PF, Photon Science and the KEK Roadmap", "KEK as a World Leading Center For Scientific Discovery using Photons, Neutrons and Muons", Structure Materials Science Research Center (SMRC), "Areas of Excellence and Beam Line Program", and the ERL project.

The final report of second PF ISAC can be found at following URL. (<http://pfwww.kek.jp/ISAC08feb/index.html>)

Table 1 List of the Members of the 1st PF International Science Advisory Committee (ISAC).

FONTES Ernest	Cornell High Energy Synchrotron Source
FUKUYAMA Hidetoshi	Tokyo University of Science
HODGSON Keith	Stanford University, Chairperson of Committee
KAMITSUBO Hiromichi	Riken Wako Institute
LINDAU Ingolf	Stanford University
MARTERLIK Gerhard	Diamond Light Source
MIKI Kunio	Kyoto University
OHTA Toshiaki	Ritsumeikan University
SAILE Volker	University of Karlsruhe
SUEMATSU Hiroyoshi	Riken Harima Institute

Table 2 List of the Members of the 2nd PF International Science Advisory Committee (ISAC).

FONTES Ernest	Cornell High Energy Synchrotron Source
FUKUYAMA Hidetoshi	Tokyo University of Science
GLUSKIN Efim	Advanced Photon Source
HODGSON Keith	Stanford University, Chairperson of Committee
LINDAU Ingolf	Stanford University
MIKI Kunio	Kyoto University
OHTA Toshiaki	Ritsumeikan University
REE Moonhor	Pohan Accelerator Laboratory
SAILE Volker	University of Karlsruhe
SUEMATSU Hiroyoshi	Riken Harima Institute