

## 5

# International Science Advisory Committee (ISAC)

The Photon Factory International Science Advisory Committee (PF-ISAC) has been held every nine to ten months since the first PF-ISAC in April 2007 with providing ongoing advice on the operations and strategic planning for the Photon Factory. The 5th PF-ISAC meeting was held at the Photon Factory on June 15 and 16, 2010. Table 1 shows a list of the members for the 5th PF-ISAC. In advance of the meeting, the Photon Factory provided the PF-ISAC members with most of presentation files and a list of discussion points, which the Photon Factory would like to receive some advice from the PF-ISAC. On the first day of the meeting, the Photon Factory staff and users presented the present situation and strategy relevant to the discussion points and several recent scientific topics. Following Q&A and discussion for each presentation, PF-ISAC met in closed sessions in the evening of the first day and the morning of the 2nd day, and formulated the observations, conclusions and recommendations.

Below is some essential points of the perspective of PF-ISAC in the beginning of their closing remarks.

- 1) PF-ISAC emphasizes that many successful accelerator developments are the direct result of the integration of the PF Accelerator Division (AD) into the KEK Accelerator Laboratory and PF management and AD VII staff should be all commended with that success.
- 2) ISAC stresses the importance of the involvement of the broad user community in making the case for synchrotron-enabled science as relevant to the energy materials, technology, environmental and health needs of the Nation. This is essential to recognize the large capital investments needed for the future.

3) ISAC sees the KEK strategy together with that at SPring-8 as providing world leading capabilities over the coming decade and beyond that will serve the needs of Japan's synchrotron radiation user community. It is important that a common, user-driven strategy be developed and sustained.

As for the strategy about the PF future project, the PF-ISAC strongly encourages PF and KEK management to investigate all options to bridge the gap in the current roadmap between now and when an ERL can be operated in support of a broad science program at KEK.

Other itemized questions and the answers from PF-ISAC can be found at following URL. ([http://pfwww.kek.jp/ISAC10Jun/PF\\_ISAC\\_closeoutsumm\\_061610\\_fnl.pdf](http://pfwww.kek.jp/ISAC10Jun/PF_ISAC_closeoutsumm_061610_fnl.pdf))

To assess specific areas of PF scientific activity, subcommittee meetings of PF-ISAC have been organized and held since 2008. The Material Chemistry Subcommittee (chaired by Prof. Y. Iwasawa) and the Condensed Matter Subcommittee (chaired by Dr. J. Mizuki) were held on, respectively, February 21 and 22, and March 1 and 2, 2011, for the review of the activities of the Material Chemistry and Condensed Matter Groups of the Photon Factory. Closeout reports of these subcommittees can be found in the URLs as follows; [http://pfwww.kek.jp/ISAC10Feb\\_MCsub/index.html](http://pfwww.kek.jp/ISAC10Feb_MCsub/index.html) and [http://pfwww.kek.jp/ISAC10Mar\\_CMsub/index.html](http://pfwww.kek.jp/ISAC10Mar_CMsub/index.html).

Table 1 List of the members of the 5th 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
IWASAWA Yasuhiro	University of Electro-Communications Tokyo
LINDAU Ingolf	Stanford University
MIKI Kunio	Kyoto University
MIZUKI Junichiro	Japan Atomic Energy Agency
OHTA Toshiaki	Ritsumeikan University
REE Moonhor	Pohang Accelerator Laboratory
SAILE Volker	University of Karlsruhe