5 Photon Factory Science Advisory Committee (PF-SAC)

Meetings of the Photon Factory Science Advisory Committee (PF-SAC) have been held every nine months since the first PF-SAC in April 2007, providing ongoing advice on the operation and strategic planning for the Photon Factory. The sixth PF-SAC meeting was held on October 6 and 7, 2011. It had originally been scheduled for mid-March 2011, but was postponed by almost a half year due to the Great East Japan Earthquake on March 11.

Table 1 shows a list of members for the sixth PF-SAC. The Photon Factory distributed in advance presentation files and a list of discussion points (Table 2) on which the Photon Factory wished to receive advice from the PF-SAC. 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-SAC met in closed sessions in the evening of the first day and the morning of the second day, and formulated the observations, conclusions and recommendations.

Regarding the sixth discussion point in Table 2, the PF-SAC notes that the 3 GeV ERL will provide the Japanese VUV-SX community with extremely high-brilliance soft X-ray beams. The source characteristics are superior to existing Japanese soft X-ray SR sources and will provide Japan with a world-class facility. Other itemized questions and the answers from the PF-SAC can be found at:
http://pfwww.kek.jp/SAC11Oct/PFSAC2011_executivesummary.pdf

To assess specific areas of PF scientific activities, subcommittee meetings of the PF-SAC have been held since 2008. The time-resolved science subcommittee (chaired by Dr. Robert Schönlein) met on February 15 and 16, 2011 to review the activities of the "Development in Future SRR Group" of the Photon Factory. The close-out report of the subcommittee can be found at:
http://pfwww.kek.jp/SAC11Feb_TRsub/index.html

Table 1 PF-SAC members of 2011.

FONTES Ernest	Cornell High Energy Synchrotron Source
GLUSKIN Efim	Advanced Photon Source
HODGSON Keith	Stanford University, Chairperson of Committee
IWASAWA Yasuhiro	University of Electro-Communications Tokyo
IYE Yasuhiro	Institute for Solid State Physics, The University of Tokyo
LINDAU Ingolf	Stanford University
MIKI Kunio	Kyoto University
MIZUKI Junichiro	Japan Atomic Energy Agency
PARMIGIANI Fulvio	University of Trieste
REE Moonhor	Pohang Accelerator Laboratory/PSTECH
ZHAO Zhentang	Shanghai Synchrotron Radiation Facility
SAILE Volker	University of Karlsruhe

Table 2 List of discussion points.

1	How effective were the earthquake recovery and refurbishment processes, and the coordination with other SR facilities for experiments during recovery?
2	Relation between PF operation and KEKB upgrade
3	Is the second phase of the refurbishment plan aggressive enough?
4	How does PF-SAC evaluate the results and suggestions of the two subcommittees: condensed matter and materials & chemistry?
5	Is the plan for the transition from PF-Kondankai to a more independent and full-membership PF User Association sound and timely?
6	Are we moving in the right direction and fast enough towards the realization of ERL? Is the change of energy from 5 GeV to 3 GeV reasonable?
7	Are we focused enough in the recruitment campaign?
8	Comments on science topics and discussions with group leaders and scientists