

5

International Collaboration

The PF has maintained an international collaboration program with the Australian Nuclear Science and Technology Organization (ANSTO) since 1991. The Australian National Beamline Facility (ANBF) was constructed at BL-20B in 1992 for X-ray diffraction and absorption experiments. About 50 proposals are submitted every year for this beamline, under which about 100 Australian scientists make their experiments. In addition, 20-30 Australian scientists make experimental studies using general PF beamlines under proposals accepted by the PF-PAC, resulting in a total number of Australian scientists visiting the PF of 120-130 per year. This experience will prove useful for the commissioning and operation of the Australian Synchrotron Radiation Facility which is currently in the final stages of construction.

A collaboration program between Japan and China under the support of the Japan Society for the Promotion of Science (JSPS) began in 2000. For example, two Chinese researchers, Dr. Huo (left) and Dr. Zhang (right), from the National Synchrotron Radiation Laboratory at Hefei visited the PF experimental hall in October 2005 through a collaboration program between Japan

and China supported by the JSPS (see a photograph on the left-side column).

As part of the activities of the collaboration program, a week-long joint lecture program on synchrotron-radiation science was held in collaboration between the Graduate University for Advanced Studies (SOKENDAI) and Fudan University at Synchrotron Radiation Research Center of Fudan University in China in December 2005. Three students from SOKENDAI and several tens of students from Fudan University participated in the joint lecture program. Nine Japanese researchers and seven Chinese researchers gave lectures on various topics. The complete program consisted of a total of 16 lectures with each being 70 minutes. The lectures covered synchrotron-radiation sources and representative scientific fields using synchrotron radiation. The students concentrated on hearing and understanding the lectures, despite the program being full of topics.

The PF accepts more than 20 proposals per year from overseas, amounting to about 5% of the total number of proposals. Most of these proposals are carried out in collaboration with Japanese researchers, and are considered as international collaborations.

