

SRI'97

Tatzuo UEKI Experimental Facilities Division

SRI'97, the "6th International Conference on Synchrotron Radiation Instrumentation", was held in Himeji City, Hyogo Prefecture, from August 4th to 8th, 1997. This major international conference provided an important opportunity to exchange information about the latest synchrotron radiation research techniques and instrumentation.

SRI is held every three years, with the venue rotating between Europe, America and Asia. The fifth SRI conference took place at Stony Brook, U.S.A., in 1994.

The SPring-8 Project Team hosted the 6th SRI Conference and the event was organized by Japanese Society for Synchrotron Radiation Research, the Japan Atomic Energy Research Institute (JAERI), the Institute of Physical and Chemical Research (RIKEN) and Japan Synchrotron Radiation Research Institute (JASRI). Conference arrangements were coordinated by a JASRI-based Organizing Committee led by Professor Hiromichi Kamitsubo of the SPring-8 Project Team with support from an International Advisory Committee and Program Committee.

The conference's scientific program covered:

- accelerators that emit synchrotron radiation,
- insertion devices,
- front end components,
- beam transport channel including optics,
- X-ray detectors,
- microbeam production,
- future X-ray sources.

The methodology and instrumentation in the diverse research fields as

- diffraction and scattering,
- spectroscopy,
- imaging,
- medical use,
- industrial use,
- high performance detectors.

Table 1 outlines the program. This began with presentations on "Synchrotron Radiation Sources-Present Capabilities and Future Direction," delivered by Professor Herman

Winick (SSRL, U.S.A.), and "SR Instrumentation: From Revolution to Evolution," given by Professor Ian Munro (Manchester University, UK, currently on secondment to SRS, Japan). There were 67 oral and 306 poster presentations. The oral presentations included selected papers and papers given by 52 invited speakers. There were also 24 facility reports and 35 post-dead line posters. As 1997 marked the fiftieth anniversary of synchrotron radiation's first observation, there was a special session entitled "Fifty Years of Synchrotron Radiation," with guest presentations by Drs. John Blewett (U.S.A.), Robert. Madden (NIST, U.S.A.), Kenneth C. Holmes (MPI, Germany) and Taizo Sasaki (SPring-8, Japan). Scientific presentations from the conference were published in May 1998 as a special issue of the Journal of Synchrotron Radiation, according to its regular referring procedures by the editors. About 350 articles are published in the Journal.

In addition to the scientific program, we held a "get-together session" on Sunday, August 3rd, prior to conference registration on Monday, August 4th. The Conference Banquet was on the evening Thursday, August 7th, after the special session, and the SPring-8 Site Tour took place on the afternoon of Wednesday August 6th. The latter event provided an opportunity to exchange of information about accelerators and beamlines as enjoy a barbecue party.

There were 372 conference participants from Japan and 230 from overseas. The latter included 52 from the U. S. A., 35 from France, 26 from Germany, 24 from the UK, 12 from Korea, 9 from Russia, 7 from Chinese Taipei, 6 from the Peoples' Republic of China, 6 from Australia and Brazil, 5 from Italy, 4 from Denmark, 3 from Sweden and one each from Czechoslovakia, Austria, Finland, Switzerland, Holland and Bulgaria.

Some 30 companies participated in an industrial exhibition that accompanied the conference. A part of the conference was operated by the Bilingual Group Ltd., one of the convention services. The Conference was supported by the Japan's Ministry of Education, Science, Sports and Culture (Monbusho) under its Grant-In-Aid of Science. As the conference period coincided with SPring-8 commissioning activities, every effort was made to ensure conference

preparations did not interrupt SPring-8 Project Team's schedule. In the event, the Project Team's devotion enabled it to continue with scheduled commissioning and make a major contribution to the conference's success.

The Hyogo Prefecture and Himeji City local governments were conference sponsors and the Organizing Committee is profoundly grateful for their support.

Along with the Conference, there were several satellite meetings, including:

Satellite Meeting on Crystallographic Applications of SR, PF-KEK, Tsukuba, August 1-2

International Workshop to Study the Function of Small Storage Rings and Free-electron Lasers of the Future, Institute of Molecular Science, Okazaki, August 8-10

Compact Synchrotron Light Sources in the New Age, Ritsumeikan University, Kusatsu, August 2

The 1997 Haga International Workshop on Medical Application using Synchrotron Radiation, Haga, Hyogo, August 9-10

XEL'97 (1997 International Workshop on X-ray and Extreme Ultraviolet Lithography), PACIFICO, Yokohama, July 13-15

The 3rd Asian Forum on Synchrotron Radiation, SPring-8, Hyogo, August 9-10

The SPring-8 International Workshop on "30 m Long Straight Sections of Storage Ring," International Conference Hall, Kobe, August 9.