

PREFACE

This is the Activity Report for 1994 reporting the research activities at the UVSOR facility. The number of users are still increasing, and we are improving the performance of the light source and beamlines. Professor Volker Saile, Director of CAMD of the Louisiana State University, and Professors Takehiko Ishii and Motohiro Kihara, Directors of SOR-RING(SRL-ISSP) and Photon Factory, were invited in order to evaluate the research activities of UVSOR in November 1993 and in August 1994. Professor Saile's report is summarized as follows:

1. A clear mission statement and strategic planning are required to maintain highest standards and competitiveness in the future. The recommended mission is "Synchrotron Radiation Research and Applications in Chemistry." Support with highest priority is recommended for the strongest programs in chemistry research: "Photo-assisted Chemical and Surface Reactions", "Chemical Spectroscopies in the VUV and soft X-ray range", "Infrared Applications of Synchrotron Radiation", and "Molecular Crystals and Films."
2. Continuous minor and major improvements of the accelerator system are required.
3. An evaluation of number and performance of beamlines is recommended. Consider to reduce the number of beamlines and develop new highly competitive instruments, e.g., a high resolution soft x-ray monochromator. A sufficient number of competent staff is required to rearrange UVSOR's beamlines.

Professors Ishii and Kihara reached almost the same conclusions. We are very grateful to them for encouraging us to improve and enhance the accelerator system and the beamlines. Some of the improvements are reported in this issue.

As reported in the last issue Dr. Makoto Watanabe moved to the Tohoku University in October 1993, and furthermore Dr. Goro Isoyama moved as a full professor to the Osaka University in March 1994. The UVSOR has only three chairs for the associate professor. Two of them were unoccupied at the beginning of FY94. Very recently we could have new associate professors, Toyohiko Kinoshita and Hiroyuki Hama. Dr. Kinoshita came from the SOR-RING(SRL-ISSP) of the University of Tokyo in October 1994 and is actively working as a main member of the beamline staff together with Dr. Masao Kamada. Dr. Hama was promoted from a research associate of UVSOR in January 1995 and continues to work as a chief in accelerator physics.

The facility has reached its limit of capacity. We have started to discuss the next 10 years. The FY95 will be an important year for UVSOR.

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The mark of UVSOR  was designed by Prof. H. Hama.

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UVSOR members and in-house users.