

UVSOR  
ACTIVITY REPORT  
2003

edited by

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## *Preface*

On December 2, 2003, we celebrated the twentieth anniversary of the UVSOR facility. It is a great pleasure to publish this new series of the UVSOR Activity Report at the beginning of the third decade from the first light observation in November 10, 1983. This volume describes the research activities at the UVSOR facility in the Institute for Molecular Science (IMS) in FY2003. This is also the first report by use of the UVSOR-II ring with eight straight sections, which was upgraded in the spring of 2003. We hope we will be able to have a daily operational mode at the minimum emittance around 27 nmrad from the UVSOR-II ring after the replacement of the main RF cavity in the winter of 2004.

In April 2004, our organization has been changed. The Okazaki National Research Institutes involving IMS, NIBB (National Institute for Basic Biology), and NIPS (National Institute for Physiological Sciences) were disorganized in March. IMS now belongs to a new organization, National Institutes of Natural Sciences (NINS) together with NAO (National Astronomical Observatory) and NIFS (National Institute for Fusion Science) in addition to NIBB and NIPS. Director General of IMS is now Prof. Hiroki Nakamura. According to a master plan of the IMS organization, we have started to strengthen the organization of the UVSOR facility. We have gotten a new position of full professor of the accelerator division. Assoc. Prof. Dr. Masahiro Katoh was promoted to this professor in January 2004. In October 2003, Dr. Yasumasa Hikosaka joined the photochemistry division as research associate from Photon Factory.

We lost an excellent technical associate, Mr. Osamu Matsudo at the age of 53, on December 26, 2003 after long medical treatment. His first job here was the design work for proposal of the UVSOR facility and he had been a walking dictionary about the UVSOR facility. I would like to pay my deepest and last respects to him together with all of the UVSOR users and staff members since 1980.

May, 2004

Nobuhiro Kosugi  
Director of UVSOR

# Memories of Mr. Osamu Matsudo (1950-2003)



(Center) Mr. Osamu Matsudo, UVSOR chief engineer, with (right) Mr. Eiken Nakamura, unit chief engineer at BL8A in the UVSOR facility.

Mr. Osamu Matsudo was one of the pioneers of the UVSOR facility. As soon as he arrived at his position in the Institute for Molecular Science in 1980, he started to work for construction of the UVSOR facility. After the UVSOR was born, he devoted himself to upgrade and develop various kind of experimental systems, and moreover, he always worked with his devotion to support of user's experiments and maintenance of equipment for the experimental instrumentation. 'If you have troubled, call Matsudo-san' - most of the UVSOR users have been supported by his appropriate advice, tolerance and smile.

Not only he was a very skillful technician but also good at drawing. He often selected beautiful nature and flowers as a motif of his drawings. Now we can see his fruitful imagination not only in his impressive drawings but also in all of the experimental instrumentation that he designed and made.

We all miss his smile, open-minded attitude and pioneering spirit.