



# UVSOR ACTIVITY REPORT 2000

edited by  
M. Katoh, T. Gejo, K. Takahashi, and H. Hagiwara

## *Preface*

This Activity Report covers the research activities done at the UVSOR facility in the Institute for Molecular Science (IMS) in FY2000. This is the seventh volume in the red-covered Activity Report series for the second 10 years in UVSOR. For these years the total beam time and the total number of beamlines are almost constant, ~40 weeks/year (~2,500 hours/year) and ~20 beamlines, and the users to be accepted are restricted to almost the constant number, ~800 persons/year (with ~180 projects/year). We have to focus our scientific policy on quality rather than quantity. The reader will find a lot of reports describing new scientific insights by using good and stable equipments, progress in beamlines under development, and reconstructive designs for very old equipments. I would like to acknowledge various kinds of efforts and supports by the UVSOR users and staff, respectively.

In Japan we have three public and national facilities, Photon Factory, SPring-8, and our UVSOR. Since January 6, 2001, all of them have belonged to the same ministry, Ministry of Education, Culture, Sports, Science and Technology (MEXT). Photon Factory and UVSOR are of nearly the same age, and UVSOR is in charge of the lower energy region than soft X-rays as well as the advanced use for molecular science and chemistry. We are trying to get an additional budget for the upgrade of the light source of UVSOR to maintain and enhance our activities even for the third 10 years. We hope that we can start the upgrade project and successfully increase the number of undulator sections and reduce the emittance as soon as possible.

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Nobuhiro Kosugi  
Director of UVSOR