

Preface

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Last year marked the 30th anniversary of first light at UVSOR facility of the Institute for Molecular Science. We are deeply grateful to all at the Ministry of Education, Culture, Sports, and Science and Technology, the National Institutes of Natural Sciences, the Institute for Molecular Science, and the many others who have guided and supported the UVSOR effort throughout these years, and to all who have utilized this facility in their achievement of discoveries and advances reported at home and abroad.

Given the rapidly advancing world of science and technology, it may seem surprising that our synchrotron radiation system, conceived and constructed some 30 years ago, remains at the forefront of scientific experiment and investigation. This is the result of the construction stage, which involved installation of rock-solid hardware with a basic design marked by foresight; the first stage, during which design performance was reliably achieved with continuing progress in installation of many experimental systems responding to the needs of a broad range of users; and the second



stage, which was marked by progress in heightening the light-source brilliance and installation of beamline undulators. At present, in following these stages, all at the UVSOR facility stand united in their dedication to further heightening and stabilizing the light-source brilliance together with the installation of a scanning transmission x-ray microscope utilizing these characteristics. During the past fiscal year, we have enhanced the BL5U photoelectron spectroscopy beamline and completed construction for imminent start-up of an advanced photoelectric system providing spin- and spatial-resolved as well as angle-resolved operation.

In the time ahead, the UVSOR facility will continue to contribute to the advancement of basic and applied science and technology as an international hub for utilization of low-energy synchrotron light. For all of us at the UVSOR facility, the approach of its 30th anniversary is a time of renewal in spirit and dedication to fulfilling the expectations of all who use the facility and systems, and we hope and trust in your continuing support of this effort.

March 31, 2014 Masahiro Katoh Director of UVSOR