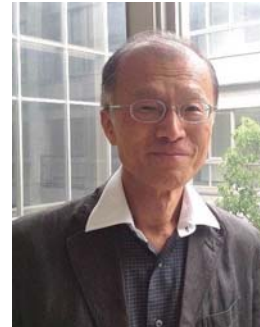


Preface

Sadamichi MAEKAWA

Director General,
Advanced Science Research Center



The preparation for the strategic framework reconstruction of JAEA has been underway. Yet, the mission of Advanced Science Research Center (ASRC), with consistency, has been to develop new fields of science and technology making full use of facilities and experiences of JAEA. In addition, the Center promotes systematic campaign aiming to establish an international Center of Excellence (COE) in the field of atomic energy related basic sciences.

This issue contains the Annual Report of ASRC activities for the fiscal year 2013, which is the fourth year of the five-year project cycle. Included in the issue are six articles of research highlights selected from our research activity throughout the year, and summaries of the research conducted by our eleven research groups.

The Center has been enjoying collaboration with colleagues and institutes in the domestic and international communities in the relevant research fields. Seven workshops have been held under the Reimei Research Program, in which seven international research collaboration projects have been conducted by ASRC along with twenty research institutions around the world. Through such effort, the Center has produced numerous scientific achievements and issued nine press releases during the year.

On behalf of ASRC, I would like to express my sincere appreciation for the generous support and collaborations. Your continuous support would help us bring successful conclusion to the final year of the project and boost further development for the future.