

Preface

It is our great pleasure that the publication of the contributed papers to the 4th Japan-China Workshop (JCW) on Fusion-Related Tritium Science and Technology held in Toyama, Japan, during May 9-11, 2012, has been completed here as the Journal of Plasma and Fusion Research Series published by the Japan Society of Plasma Science and Nuclear Fusion Research.

This meeting is the 4th tritium workshop, formerly held at Mianyang in 2006, 2nd at Sendai in 2008, and 3rd at Kunming in 2010. The Workshop on fusion-related tritium science and technology provides the opportunity for discussion about tritium science and technology including tritium handling, tritium confinement, tritium breeding for establishment of a thermonuclear fusion reactor and environment effects, and other related areas for fission as well as fusion.

The present workshop was focused on the following four topics: (1) Fusion-related tritium science and technology, (2) Breeding blanket technology, (3) Environment effects, and (4) Other related tritium science and technology. The total number of the participants was 53 (30 from Japan, 19 from China, 2 from US and 2 from Korea), and 35 invited and contributed papers were presented. Among these papers, 19 excellent papers are finally published in this proceeding after reviewing by the publication committee.

I would be grateful to all the members of the Japanese and Chinese Organizing Committee and Local Committee. Finally, I would express my sincere appreciation to the members of the Local Organizing Committee and the voluntarily supporting staff of the Hydrogen Isotope Research Center (HRC) of University of Toyama, who have let to the success of this workshop.

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for the 4th JCW, Chair
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