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Scientific Basis for Nuclear Waste Management XXXVI

EDITORS

Neil Hyatt

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MATERIALS RESEARCH SOCIETY
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**Scientific Basis for Nuclear Waste
Management XXXVI**

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Scientific Basis for Nuclear Waste Management XXXVI

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PREFACE

Symposium LL, Scientific Basis for Nuclear Waste Management XXXVI, was held November 25–30 at the 2012 MRS Fall Meeting in Boston, Massachusetts.

This Symposium continues to set the research agenda in the field of radioactive waste management, charting the development of waste processing, conditioning, packaging and disposal. Symposium XXXVI featured 77 presentations, delivered over four days during the 2012 MRS Fall Meeting, from participants in Australia, Austria, Finland, France, Japan, Russia, Spain, Sweden, Switzerland, the United Kingdom, and United States of America.

A highlight of Symposium XXXVI was the excellent tutorial on “Analysis of Radioactive Nuclear Materials”, led by Claude Degueldre of the Paul Scherrer Institute and University of Geneva, Switzerland. Symposium XXXVI featured a special session devoted to Fukushima Dai-Ici, following the Tohoku Earthquake on March 11, 2011, reporting on efforts to stabilize the facility and decontaminate affected surroundings, drawing over a hundred attendees. The Symposium also included sessions reporting on advances in glass and ceramic wasteforms, conditioning of technetium, management of spent nuclear fuel, and geological disposal, plus a special joint session with Symposium HH, on radiation effects in nuclear materials. Each paper in this volume provides a snapshot of the exciting recent developments in each of these areas and the international progress toward achieving the safe, timely and cost-effective management and disposal of radioactive wastes.

Symposium XXXVII will be held in Barcelona in September 2013, chaired by Prof. Joan de Pablo, and we look forward to meeting participants at this event and future symposia.

Neil Hyatt
Kevin Fox
Kazuya Idemitsu
Christophe Poinssot
Karl Whittle

August 2013

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