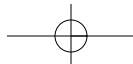
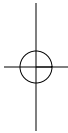




THE 2ND INTERNATIONAL
CONFERENCE ON ADVANCES
IN NUCLEAR SCIENCE AND
ENGINEERING 2009—
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THE 2ND INTERNATIONAL CONFERENCE ON ADVANCES IN NUCLEAR SCIENCE AND ENGINEERING 2009— ICANSE 2009

Bandung, Indonesia 3-4 November 2009

EDITORS

Zaki Su'ud
Abdul Waris

*Bandung Institute of Technology
Bandung, Indonesia*

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Bandung Institute of Technology (ITB, Indonesia)
National Nuclear Energy Agency of Indonesia (BATAN, Indonesia)
Center for Research into Innovative Nuclear Energy System
(CRINES, Tokyo Institute of Technology, Japan)

All papers have been peer reviewed.



Melville, New York, 2010
AIP CONFERENCE PROCEEDINGS ■ 1244

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L.C. Catalog Card No. 2010904380

ISBN 978-0-7354-0790-9

ISSN 0094-243X

Printed in the United States of America

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PREFACE

Second International Conference on Advances in Nuclear Science and Engineering (ICANSE-2009) has been jointly conducted by Bandung Institute of Technology (ITB, Indonesia), National Nuclear Energy Agency of Indonesia (BATAN, Indonesia) and Center for Research into Innovative Nuclear Energy System (CRINES, Tokyo Institute of Technology, Japan). This conference aims at summarizing recent research activities relevant to the advanced development of application in the nuclear science and engineering and facilitate communication among relevant experts.

More than 125 persons from Indonesia, Japan, Malaysia, Czech, and Saudi Arabia have been participated in this conference. More than 60 presentations including 7 invited talks were presented. The presentations are grouped into 9 areas of particular interest: (1) : Innovative NPP and Reactor Physics, (2) Fuel Cycle and Waste Management, (3) Nuclear Material, (4) Radiation and Biophysics, (5) Simulation and Computation, (6) Thermal Hydraulic, (7) Nuclear Instrumentation, (8) Nuclear and Particle Physics, (9) Energy Policy.

From 55 full papers submitted after the conference for publication in AIP conference proceedings, after peer review process by International Advisory Board and Additional Experts, 41 papers were accepted for publication in this proceedings. We are indebted to all of authors for submitting their original papers.

We would like to thank all members of International Advisory Board, members of Organizing Committee, and our gratitude to all those who help the success of this conference.

Zaki Su'ud

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