

Introduction

Hirotake Moriyama

Director
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I would like to express my heartfelt sympathy to everyone who has suffered as a result of the Tohoku Earthquake and has been affected by the subsequent accident at the Fukushima Daiichi NPP. The Kyoto University Research Reactor Institute (KURRI), which takes these events quite seriously, has initiated a new project entitled “KUR Research Program for Scientific Basis of Nuclear Safety.” This project will promote our research in order to enhance the scientific contribution to the improvement of nuclear safety. We have a strong incentive to contribute to the restoration of the area impacted by these events, as well as to the reinforcement of nuclear safety. Within the framework of this project, we will hold international symposiums each year. It is a great pleasure to announce that our second symposium will be held on November 28, 2013, in Kyoto, the world famous and historic city where our university is located.

I would greatly appreciate your joining us at this meeting through your active contributions and participation, and I look forward to seeing you in Kyoto.

Information

Scientific Program and Publication

The program will consist of an oral session and a poster session. All the oral presentations will be by invitation. For the poster session, we welcome contributed papers on the topics listed below. In particular, we welcome papers that address back-end cycle issues, including the treatment of the environmental radioactive waste produced by nuclear reactor accidents. We particularly encourage contributions from the younger generation, including students, who will be the future leaders in these fields. Submitted papers will be published as original papers following a peer review process.

List of Topics

1. Nuclear transmutation
 - a. Reactor system
 - b. Fuel cycle
 - c. Material science
2. Back-end cycle issues
 - a. Radioactive waste treatment/disposal
 - b. Public acceptance

Working language

English

Organizations

Host Organization

Kyoto University Research Reactor Institute
(KURRI)

Organizing Committee

Chair: Prof. Hirotake Moriyama
(Director, KURRI)

Members: Representatives of relevant domestic organizations

International Advising Committee

Chair: Prof. Hajimu Yamana (KURRI)

Members: Representatives of a number of international organizations

Program committee

Chair: Prof. Ken Nakajima (KURRI)

Members: Domestic specialists in nuclear transmutation technology and the back-end cycle

Conference Secretariat (Contact)

Prof. Toshihiro Yamamoto (KURRI)

Maki Nakatani (KURRI)

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About this Symposium

Ken Nakajima

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After the Fukushima Daiichi NPP accident, the back-end and nuclear fuel cycle policy has been under discussion in Japan, while the public anxiety on the cycle is increasing. This symposium will deal with back-end cycle issues such as the treatment of spent fuel and radioactive waste, as well as nuclear transmutation technology, which will be a possible solution for HLW disposal. The purpose of this symposium is to understand the present status of the back-end cycle issues and discuss the R&D plan of relevant technology. We hope that many researchers who are studying back-end cycle issues and nuclear transmutation technology will join us for achieving these goals.

Key invited lectures will be given on the present status of the Fukushima Daiichi NPP, on the role of nuclear transmutation, and on IAEA's activity with regard to the back-end issues.

Your contribution and participation will be greatly welcomed and appreciated.



Key Dates

Early July: Call for Papers (2nd circular)

Mid-September: Deadline of abstract submission

Late-January' 14: Deadline of full paper submission

Mid-November: End of participation registration

Registration Fee

Free for paper submission and registration

6000 Yen for Banquet

Kyoto University
Research Reactor Institute



International Symposium on Nuclear Back-end Issues and the Role of Nuclear Transmutation Technology after the accident of TEPCO's Fukushima Daiichi Nuclear Power Stations

**KUR Research Program for Scientific
Basis of Nuclear Safety**

Kyoto University

Date: November 28, 2013

**Place: Shiran Hall,
Kyoto University,
Kyoto, Japan**