



International Symposium on

Earthquake, Tsunami and Nuclear Risks
after the Accident of TEPCO's Fukushima
Daiichi Nuclear Power Stations

KUR Research Program for Scientific Basis of
Nuclear Safety

Kyoto University

Second Announcement



Invitation to the Symposium

I would like to express my heartfelt sympathy to the people who suffered the Tohoku Earthquake and are affected by the subsequent accident of Fukushima Daiichi Nuclear Power Stations.

The Kyoto University Research Reactor Institute (KURRI), taking these situations seriously, started a new project entitled ‘KUR Research Program for Scientific Basis of Nuclear Safety.’ This project will promote our research to enhance the scientific contribution to the improvement of nuclear safety. We have a strong incentive to contribute to the restoration of the impacted area as well as to the reinforcement of nuclear safety. In the frame of this project, we will hold international symposiums each year. It is a great pleasure to announce that the third symposium will be held on the 30th October, 2014, in Kyoto, the world famous historic city where our university is located.

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

Hirotake Moriyama

Director, Kyoto University Research Reactor Institute
Chair of the organizing committee



Outline of the Symposium

Purpose

The safety evaluation to the natural disaster of nuclear power plants was strengthened after the accident of Fukushima Daiichi Nuclear Power Stations which occurred in March 2011.

Safe regulation is performed by the basis of the deterministic approach which aimed at absolute safety, such as requirement of dry site for tsunami and prohibition of installation of especially important facilities on the outcrop of the active fault. Since many uncertainties exist in natural phenomena, such as an earthquake and tsunami, a risk concept to the seismic motion and tsunami beyond design-basis is indispensable. We believe that the social decision making by the people based on an earthquake risk is important.

This symposium will deal with the uncertainties in the safety evaluation and PRA of the earthquake and tsunami, fault displacement hazard evaluation, risk in a nuclear system and risk communication, etc.

We welcome many participants including not only a related researcher but also a citizen.



Call for Papers

Program and Publication

The program will consist of key lectures, oral presentations, and poster presentations. All the key lectures and oral presentations will be by invitation only. For the poster presentations, we welcome contributions as abstracts on the topics listed below. Selected abstracts will be recommended for submission as full papers. These full papers will be peer-reviewed and published by Springer Verlag in the fall of 2015.

If you wish to publish your paper from Springer, please check at registration part in abstract format.

List of Topics

1. PRA with external hazard
2. Fragility of nuclear facilities and equipments
3. Active fault and seismic source modeling
4. Seismic motion
5. Risk and society

Registration and Submission

Applicants are requested to submit about one-page abstract for registration. The submission of abstract is available on the following web site. Registration of participation can be done on the same page.

http://www.rri.kyoto-u.ac.jp/anzen_kiban/sympo/sympo2014

Kyoto University Research Reactor Institute



Date and Time :

30 October 2014, 09:30 – 18:00 (Reception: 18:15-19:40)

Venue:

The Shiran Hall, Kyoto University
(Yoshida-Konoe-cho, Sakyo-ku, Kyoto, Japan)

Registration Fee :

Free for paper submission and registration
6000 JPY for Banquet on 30 October

Important Dates:

Mid June 2014: Start of participation registration and abstract submission
29 August 2014: Deadline of abstract submission
23 October 2014: End of participation registration
Early November 2014: Announcement of full paper
End of December 2014: Deadline of full paper submission

Contact

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Host Organization

Kyoto University Research Reactor Institute (KURRI)

Support organization

Atomic Energy Society of Japan

Organizing Committee

Chair: Prof. Hirotake Moriyama (Director, KURRI)

Dr. Katsumi Ebisawa (CRIEPI and Visiting Professor of Tokyo City University)

Prof. Akira Yamaguchi (Osaka University)

Prof. Katsuhiro Kamae (KURRI)

Prof. Sentaro Takahashi (KURRI)

Prof. Ken Nakajima (KURRI)

Prof. Hajimu Yamama (KURRI)



International Advisor

Prof. Hajimu Yamana (KURRI)

Program Committee

Chair: Prof. Katsuhiro Kamae (KURRI)

Prof. Tomotaka Iwata (DPRI, Kyoto University)

Dr. Katsumi Ebisawa (CRIEPI and Visiting Professor of Tokyo City University)

Prof. Michihiro Ohori (University of Fukui)

Prof. Takashi Kumamoto (Okayama University)

Prof. Hideaki Goto (Hiroshima University)

Prof. Tsuyoshi Takada (University of Tokyo)

Prof. Taketoshi Taniguchi (UTokyo Policy Alternatives Research Institute)

Prof. Satoshi Fujita (Tokyo Denki University)

Prof. Nobuhisa Matsuta (Okayama University)

Prof. Hiroshi Miyano (Hosei University)

Prof. Ken Muramatsu (Tokyo City University)

Conference Secretariat

Chair: Prof. Hirotoshi Uebayashi (KURRI)

Prof. Hidenori Kawabe (KURRI)

Ms. Maki Nakatani (KURRI)



Program (subject to minor-change)

- 09:30-09:45 Opening Remarks
- 09:45-10:30 Nuclear Risk Management and Society
Speaker : Dr. Shunsuke Kondo (Prof. Emeritus, University of Tokyo)
- 10:30-11:00 Taxonomy and Evaluation of Uncertainties of Active Fault Datasets for Earthquake Source Fault Model
Speaker : Prof. Takashi Kumamoto (Okayama University)
- 11:00-11:30 Design Basis Ground Motion Ss Required in New Regulation
- Evaluation of uncertainties in parameters for ground motion prediction
Speaker : Prof. Katsuhiro Kamae (KURRI)
- 11:30-12:00 Strengthening Resilience of Nuclear Power Plant SSCs to External Hazards - System Safety Program on Design and Operation Phase -
Speaker : Prof. Hiroshi Miyano (Hosei University)
- 12:00-14:00 Lunch and poster session
- 14:00-14:45 PRA a Framework for Public Risk Communication
Speaker : Dr. Sujit Samaddar (IAEA, ISSC, Centre Head)
- 14:45-15:15 Current Status of Risk Evaluation of Nuclear Power Plant Against External Events Including Seismic and Tsunami Events
Speaker : Dr. Katsumi Ebisawa
(CRIEPI and Visiting Professor of Tokyo City University)
- 15:15-15:45 Technology Governance for Nuclear Safety under External Events
Speaker : Prof. Hiroyuki Kameda
(Prof. Emeritus, Kyoto Univ. and Research Advisor Emeritus, CRIEPI)
- 15:45-16:15 Coffee break and poster session
- 16:15-16:45 Lessons Learned from Deficits Analysis of Nuclear Risk Governance
Speaker : Prof. Taketoshi Taniguchi
(UTokyo Policy Alternatives Research Institute)
- 16:45-17:45 Discussion
- 17:45-18:00 Closing Remarks
- 18:15-19:40 Reception

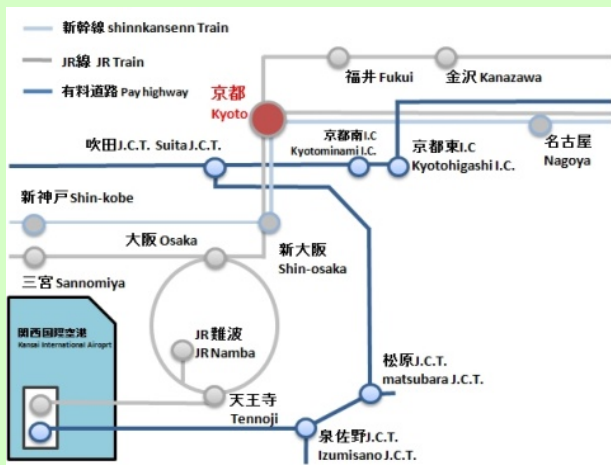
Kyoto University Research Reactor Institute



Access and Map to Shiran Hall

Address : Yoshida-Konoe-cho, Sakyo-ku, Kyoto, Japan

From Kansai International Airport to Kyoto Station



75min by Airport Express HARUKA (train)

85min by limousine bus

