



**JNES / EDF Workshop on
“Seismic Isolation of Nuclear Facilities”**

Embedded in

1st Kashiwazaki International Symposium on Seismic Safety of Nuclear Installations

Organized by

**Japan Nuclear Energy Safety Organization (JNES) and
Electricité de France (EDF)**

Hosted by

**Japan Nuclear Energy Safety Organization (JNES),
Niigata Institute of Technology (NIIT) and Tokyo Electric Power Company (TEPCO)
Nuclear and Industrial Safety Agency (NISA) and Nuclear Safety Commission (NSC)**

24-26 November 2010

Niigata Institute of Technology, Kashiwazaki, Niigata, Japan

Preliminary Announcement and Call for Papers

Abstract Submissions Deadline:	31 August 2010
Notification of acceptance:	30 September 2010
Registration to the Symposium:	15 October 2010
Presentation material deadline:	31 October 2010

1. ORGANIZATION AND HOST

Workshop on “Seismic Isolation of Nuclear Facilities” will be held from 24th to 26th November 2010 in Niigata Institute of Technology, Kashiwazaki, Niigata, Japan, organized by Japan Nuclear Energy Safety Organization (JNES) and Electricité de France (EDF), hosted by Japan Nuclear Energy Safety Organization (JNES), Niigata Institute of Technology (NIIT) and Tokyo Electric Power Company (TEPCO); as an embedded workshop of “1st Kashiwazaki International Symposium on Seismic Safety of Nuclear Installations”.

This first announcement is to inform you of this workshop and call for papers to be submitted for presentation at the workshop.

2. BACKGROUND OF THE WORKSHOP

At the 2007 Niigata-ken Chuetsu-oki Earthquake, the seismic ground motion observed at Kashiwazaki-Kariwa Nuclear Power Plant (K-K NPP) was far higher than the design basis seismic ground motion that was determined in accordance with Japanese former Regulatory Guide for Reviewing Seismic Design of Nuclear Power Reactor Facilities. The formulation of the increased standard seismic ground motion S_s based on the new findings in turn decreased the seismic margin of nuclear facilities. Utilities have the possibility of introducing seismic isolation structure (building, floor and equipment) into the NPP as measures. JNES, upon request of NISA, begin preparing guideline for performance regulations to enable introducing of seismic isolation structures and defining specifications. In the world, examples of such nuclear facilities built on seismic isolation systems are limited. In France, such an example consists of Cruas-Meyssse NPP, the four units of which were built in the eighties on seismic isolation systems, under EDF leadership for design, fabrication and construction, and are operated by EDF. Information exchange and pick up common challenging matter on this technology is valuable for not only high seismicity countries but also for countries considering standardizing of ground motion and seismic design.

3. OBJECTIVES, CONTENT AND TOPICS OF THE WORKSHOP

This workshop aims to discuss upon applying seismic isolation structure to nuclear facilities, and transmit internationally what is viewed in perspective not only for the high seismicity region but also for low seismicity region.

(1) Design of seismically isolated structures and application to nuclear facilities

Ground motion, plant design, base isolation structure design, design of isolating devices (characteristics, material, dimensions), monitoring, feedback of experience and lessons learnt in design.

(2) Construction and operation of seismically isolated plants, in particular nuclear

facilities

Technology of isolating devices (manufacturing, experimental test, mechanical features quality control), construction of seismically isolated structures and implementation of isolating devices, in-service inspection, maintenance and reparability.

(3) R&D

Updated R&D trends in isolation device technology and design of isolated structures and equipment; impacts on nuclear safety; role of seismic isolation in the conceptual design of Generation IV NPPs.

(4) Regulating guideline or code

Guidelines and code for conventional buildings as well as for nuclear and/or other industrial facilities.

Regarding items (1) and (2), contributions relating to actual facilities built on seismic isolation systems are expected and will be highly appreciated.

After presentations and discussions on items from (1) to (4), a panel discussion will be organized, joined by experts from industry, academia, government and overseas, in order to compile the opinions given on the themes above.

4. SCOPE AND STRUCTURE OF THE WORKSHOP

The workshop is embedded in the symposium “Kashiwazaki International Symposium on Seismic Safety of Nuclear Facilities”, which includes an opening session, this workshop devoted to technical presentations and panel sessions by participants on the topics outlined in the objectives and a final session. The final session will summarize discussions of every workshop, develop conclusions and recommendations for possible further activity of nuclear society in the world. All the participants are expected to take part in the discussion and in the formulation of conclusions in the final session.

5. LOGISTIC AND PARTICIPATION IN THE SYMPOSIUM

Participants

For the 1st Kashiwazaki International Symposium on Seismic Safety of Nuclear Facilities, participation is open to experts from regulatory authorities, technical support organizations, research

institutions, academic organizations, Nuclear Facility owners and operators, Nuclear Facility designers and vendors, industry associations, and observers from local residents living nearby Nuclear Facility. Nominations should be made through the Secretariat of the 1st Kashiwazaki International Symposium on Seismic Safety of Nuclear Facilities. Those wishing to make a presentation in the symposium should submit an abstract with their preliminary registration form. The session program will be arranged by the Technical Program Committee.

Registration

Participants should fill in the attached registration form and send it by E-mail to the JNES secretariat by 30 Sep. 2010.

JNES Secretariat

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Japan Nuclear Energy Safety Organization (JNES)
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Fax: +81 3 4511 1598
E-mail: kashiwazaki-seis-sympo@jnes.go.jp

Note: JNES secretariat will confirm the acceptance of registration for the symposium.

Venue of the symposium

The symposium will be held at the Niigata Institute of Technology.
1719 Fujihashi, Kashiwazaki City, Niigata Prefecture 945-1195, Japan
(MAPS) <http://www.niit.ac.jp/english/access.html>

Accommodations

Travel agent for the symposium has reserved a sufficient number of rooms at several hotels in Kashiwazaki City and Nagaoka City. Detailed information will be provided in the Advance Program. If you have any inquiry, please contact JNES secretariat

Passport and visa requirements

For the citizens of most countries, a valid passport is sufficient. However, visitors coming from certain countries may need a tourist visa. Please consult your travel agent or the nearest Japanese consulate or embassy. JNES secretariat will be pleased to send you an official letter of invitation upon request.

6. LANGUAGE, ABSTRACTS AND SYMPOSIUM ARCHIVES

Official language

All presentations and discussions will be in English or Japanese, and simultaneous English-Japanese interpretation service will be provided.

Presentations should not exceed 20 minutes.

Abstracts

Participants wishing to make presentation shall submit an abstract. (less than 400 words in English). All abstracts should be submitted by 31 Aug with the registration form. (Note: All abstracts should be submitted electronically in MS-Word and “Times 11” or “Times New Roman 11” font.)

The Technical Program Committee will review abstracts for presentation and for poster session.

.Review result will be notified by 30 September.

Presentation material in electronic file should be sent to JNES secretariat by the end of October.

Symposium archives

Presentation slides will be published at a later date in electronic form on CD-ROM, including the opening session, conclusions and recommendations from the Session A to Session D and a summary of panel discussions.

7. HALF DAY TECHNICAL TOUR

1. NPP site visit: Kashiwazaki-kariwa Nuclear Power Plant, Tokyo Electric Power Company (TEPCO) (prior registration required)

2. *Kashiwazaki Research Core Center visit :(on site registration)*

8. SUB-ORGANIZING COMMITTEE

Japan Nuclear Energy Safety Organization (JNES): Katsumi EBISAWA

Électricité de France (EDF): Pierre LABBÉ

International Atomic Energy Agency (IAEA):

Tokyo Electric Power Company (TEPCO): Shin-ichi ITO

Niigata Institute of Technology (NIIT):

9. TECHNICAL PROGRAM COMMITTEE

Japan Nuclear Energy Safety Organization (JNES): Hiroyuki KAMEDA

University of Tokyo : Tetsuo KUBO

Shonan Institute of Technology : Shigeru FUJIMOTO

Électricité de France (EDF): Pierre LABBÉ

United States Nuclear Regulatory Commission (USNRC):

International Atomic Energy Agency (IAEA):

Tokyo Electric Power Company (TEPCO): Katsuichirou HIJIKATA

Niigata Institute of Technology (NIIT):

10. IMPORTANT DATES

Abstract Submissions Deadline:	31 August 2010
Notification of acceptance:	30 September 2010
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Presentation material deadline:	31 October 2010
Symposium	24-26 November 2010

More detail information will be uploaded on the following page soon.

<http://www.jnes.go.jp/seismic-symposium10/index.html>

***1st Kashiwazaki International Symposium on Seismic Safety of Nuclear Installations
and Embedded Topical Meetings***

24 – 26 November, Niigata Institute of Technology, Kashiwazaki-city, Japan

Registration/Accommodation/Abstract Form

Surname (Family Name): (Please indicate prefix whether Prof., Dr., Mr., Mrs., Miss, or Ms.)	
Given Name (s):	
Institution, Organization or Company:	
Address (full address):	
Address (Country):	
Address (ZIP code):	
Address (Mailing Address):	
Telephone No.:	
Fax No.:	
E-mail address:	
Kashiwazaki NPP site visit (on 25 Nov or 26 Nov) (Passport will be required.)	I prefer on <input type="checkbox"/> : 25 Nov <input type="checkbox"/> : 26 Nov
Accommodation request/Accompanying spouse/ Room Type(if any): (please contact secretariat if needed)	
Preferred participation place: (Please check the appropriate box.)	<input type="checkbox"/> : 1st Kashiwazaki International Symposium on Seismic Safety of Nuclear Installations <input type="checkbox"/> : OECD/NEA IAGE/JNES Workshop of OECD/NEA Program to Study Earthquake Measurements in Deep Wells and their Applications <input type="checkbox"/> : JNES/ EDF Workshop on “Seismic Isolation of Nuclear Installations”
Title of the presentation, if any (abstract to be attached by 31/ Aug/ 2010):	
Abstract (less than 400 words):	

To be sent as soon as possible to

JNES secretariat

Yuichi UCHIYAMA

E-mail: kashiwazaki-seis-sympo@jnes.go.jp