

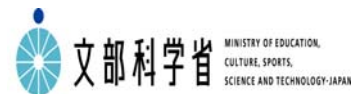
# Nuclear Safety Research Forum 2008



Nuclear Safety Commission



Ministry of Economy, Trade and Industry  
Nuclear and Industrial Safety Agency



Ministry of Education, Culture,  
Sports, Science and Technology

**February 29, 2008**

**Tokyo, Japan**

**“Nuclear Safety Research  
and Seismic Safety on Nuclear Facilities”**

**Announcement and Preliminary Program**

**Nuclear Safety Research Forum 2008 (NSRF-2008)**  
***“Nuclear Safety Research and Seismic Safety on Nuclear Facilities”***

February 29, 2008  
Tokyo, Japan

**Organized Jointly by**

**The Nuclear Safety Commission (NSC), the Nuclear and Industrial Safety Agency (NISA) of the Ministry of Economy, Trade and Industry, and the Ministry of Education, Culture, Sports, Science and Technology (MEXT).**

**◆Background**

The primary role of nuclear safety research is to provide technical basis for regulators' decision making in their regulatory activities. Nuclear safety research is conducted at not only governmental research organizations and universities, but also private and industry's institutions. Therefore, communication between the regulators and the nuclear safety researchers is indispensable for achieving maximum outcomes from nuclear safety research in an efficient and timely manner, and thereby for further enhancing safety of nuclear facilities.

The Nuclear Safety Research Forum (NSRF) provides an opportunity for such communication and it is expected that, through discussions and information exchange among participants on topical issues of nuclear safety, future scope and needs of nuclear safety are identified for further enhancement of nuclear safety.

The NSRF 2008 is the second Forum of the series, jointly organized by such relevant regulatory bodies as the NSC, the NISA and the MEXT, and provides an opportunity for all relevant regulators and nuclear safety researchers to gather and communicate through discussions and information exchange. It provides all participants of a good opportunity for mutual learning to enhance nuclear safety.

**◆Objectives**

The Niigataken Chuetsu-oki Earthquake occurred on July 16, 2007 near the Kashiwazaki-Kariwa Nuclear Power Station has given significant damages to non-safety related equipment, although the units in operation were safely shut down as designed. Specially to note is that this earthquake has reminded the regulatory bodies, utilities, etc, of quite a number of challenging issues to tackle in ensuring seismic safety of nuclear facilities. Further enhancement of scientific and technological knowledge is urged on the issues.

In the growing interest in nuclear power worldwide, this earthquake raised significant concerns even in other countries. It is important to provide a forum to share worldwide scientific and technical knowledge on seismic safety which has been obtained so far.

Objectives of the NSRF 2008 are, through discussions and information exchange, to share relevant information globally among industrial and academic communities concerned and governmental authorities, focusing on the lessons learned from the Niigataken Chuetsu-oki Earthquake and the scientific and technical knowledge obtained there from on seismic safety. The

Forum also clarifies the issues of importance in future safety research on seismic safety. The Forum intends to conclude the recommendations on the future needs of seismic safety research.

### **◆Target of the NSRF 2008 and Special Topics of this year**

This year, the Forum will focus on “Nuclear Safety Research and Seismic Safety on Nuclear Facilities” relevant to the followings.

- Lessons learned from the Niigataken Chuetsu-oki Earthquake in 2007
- Overview of international seismic safety research
- Clarification of future important issues of seismic safety research
  - Research on geological survey and determination of the earthquake ground motion used for seismic design
  - Research on evaluation of seismic integrity
  - Research on seismic PSA

### **◆Participation and Registration**

#### **Expected participants**

- Regulators from Regulatory organizations
- Researchers from Research institutions and Universities
- Professionals and specialists from Utilities and Industries
- International organizations
- Regulators, researchers, specialists from foreign countries
- Public and stakeholders

#### **Registration**

No cost is needed for registration.

All participants should register for the Forum by visiting the following web site:

**<http://www.nsra.or.jp/safe/NSC/nsrf2008/index-e.html>**

### **◆Forum Information**

Please visit following website, then you can find the map, program and the other related information.

**<http://www.nsra.or.jp/safe/NSC/nsrf2008/index-e.html>**

### **◆Date and Venue**

The NSRF-2008 will be held at the INOUE ENRYO Hall of Toyo University located at Bunkyo-ku Tokyo, on 29<sup>th</sup> February, 2008.

The INOUE ENRYO Hall is located at the Hakusan Campus of Toyo University, of which address is 5-28-20 Hakusan Bunkyo-ku Tokyo 112-8606 Japan. The web site of Toyo University is <http://www.toyo.ac.jp/english/campuses.html>.

### **◆Organizer of the Forum**

- The Nuclear Safety Commission (NSC)
- The Nuclear and Industrial Safety Agency (NISA) of the Ministry of Economy, Trade and Industry

- The Ministry of Education, Culture, Sports, Science and Technology (MEXT)

### ◆ Working Language

The working language of the Forum will be Japanese and English. Simultaneous translation between English and Japanese will be provided for the participants.

### ◆ Proceedings

All papers of presentations and related documents will be distributed at the Forum. Most materials will be translated into English.

### ◆ Program      As attached

### ◆ Forum Secretariat

For any questions regarding the Forum, please contact the Forum Secretariat:

< NSC Secretariat (for contents of the Forum) >

<p>Mr. Takeo Onchi            Technical Senior Staff            Management and Coordination Division            The Nuclear Safety Commission            3-1-1 Kasumigaseki, Chiyoda-ku,            TOKYO 100-8970, Japan            e-mail: takeo.onchi@cao.go.jp            tel : +81-3-3581-9918            fax : +81-3-3581-9835</p>	<p>Mr. Takashi Nishiyama            Deputy Director            Management and Coordination Division            The Nuclear Safety Commission            3-1-1 Kasumigaseki, Chiyoda-ku,            TOKYO 100-8970, Japan            e-mail: takashi.nishiyama@cao.go.jp            tel : +81-3-3581-9918            fax : +81-3-3581-9835</p>
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< Nuclear Safety Research Association (for registration) >

<p>Mr. Kiyoshi Kojima            Section Manager            Technology Research Department            Nuclear Safety Research Association            5-18-7 Shimbashi, Minato-ku,            TOKYO 105-0004, Japan            e-mail: koji@nsra.or.jp            tel : +81-3-5470-1985            fax : +81-3-5470-1989</p>	<p>Mr. Yutaka Kikuma            Senior Member            Technology Research Department            Nuclear Safety Research Association            5-18-7 Shimbashi, Minato-ku,            TOKYO 105-0004, Japan            e-mail: kikuma@nsra.or.jp            tel : +81-3-5470-1985            fax : +81-3-5470-1989</p>
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<b>Program</b> <b>NSRF-2008</b> <b>“Nuclear Safety Research and Seismic Safety on Nuclear Facilities”</b>
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■ **9:30 Opening and Welcome address**

Atsuyuki Suzuki (NSC Chairman)

■ **9:35 Session I : Keynote Speeches**

**“Seismic safety research and lessons learned from Chuetsu-oki Earthquake”**

**[Chair: Shigeru Nakagiri (NSC Commissioner)]**

- 9:35- 9:40 Address by the Chair
- 9:40-10:00 Hiroshi Masuko Director, Earthquake and Disaster-Reduction Research Division, MEXT
- 10:00-10:40 Hitoshi Sato Deputy Director-General for Nuclear Safety, NISA  
Hideki Nariai President, JNES
- 10:40-11:10 Yuichi Sugiyama Director, Active Fault Research Center, AIST
- 11:10-11:40 Antonio R. Godoy Acting Section Head, Engineering Safety Section, Division of Nuclear Installation Safety, Department of Nuclear Safety and Security, IAEA
- 11:40-12:00 Q&A with participants

■ **12:00 Break for lunch**

■ **13:00 Session II : Panel Discussion**

**“What is needed ahead in seismic safety research ?”**

**[Chair: Kunihisa Soda (NSC Commissioner)]**

- 13:00-13:05 Address by the Chair
- 13:05-14:35 **Part I: “Research on geological survey and determination of the earthquake ground motion used for seismic design”**  
 Panelists
  - Kojiro Irikura Adjunct Professor, Aichi Institute of Technology
  - Yuichi Sugiyama Director, Active Fault Research Center, AIST
  - Hiromichi Higashihara Director, Earthquake Disaster Mitigation Research Center, NIED
  - Katsuichirou Hijikata General Manager (civil & Architectural Engineering), Niigataken Chuetsu-oki Earthquake Restoration Management Center, Nuclear Asset Management Department, Tokyo Electric Power Company
- 14:35-16:05 **Part II: “Research on evaluation of seismic integrity”**  
 Panelists
  - Hiroshi Akiyama Professor, University Research Center, Nihon University
  - Osamu Oyamada Director General, Nuclear Science Research Institute, JAEA
  - Nobuyuki Kobayashi Professor, College of Science and Engineering, Aoyama Gakuin University
  - Katsumi Ebisawa Director-General, Seismic Safety Division, JNES
  - Javier Reig Head, Nuclear Safety Division, OECD/NEA
- 16:05-16:20 Coffee Break

• 16:20-17:50 **Part III: “Research on seismic PSA”**

Panelists

Masakazu Ohtake  
Hiroyuki Kameda  
Andrew J. Murphy  
Antonio R. Godoy

Professor Emeritus, Tohoku University  
Professor Emeritus, Kyoto University  
Senior Advisor for Earth science, U.S.NRC  
Acting Section Head, Engineering Safety  
Section, Division of Nuclear Installation Safety,  
Department of Nuclear Safety and Security,  
IAEA

• 17:50-18:00 Summary

**■18:00 Closing**

Yasuhisa Komoda (Director-General, NISA)