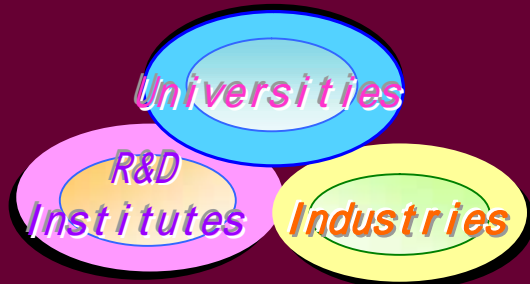


THE INTERNATIONAL SUMMER SCHOOL of NUCLEAR POWER PLANTS and YOUNG GENERATION WORKSHOP

*Bridging
Fundamental Studies
with
Practical Application*



Tokai-mura, Ibaraki, Japan
July 28-August 5, 2009

Hosted by executive committee of the first
International Summer School
(Chair: Prof. Y. Oka)

Co-sponsored by GoNERI program of the University of
Tokyo and Japan Atomic Energy Agency (JAEA)
in cooperation with
Atomic Energy Society of Japan (AESJ)



- The first International Summer School of nuclear power plants will be held in Tokai-mura, Ibaraki prefecture of JAPAN, from July 28th to August 5th, 2009.
- The International Summer School has the objective of meeting the challenges of global utilization of nuclear energy in the future. The School will present state of the art technologies, methods and research for nuclear power plants. It is intended for PhD students, post-doctoral fellows and young researchers and engineers of universities, R&D institutes and industries working on nuclear science and technology. The basic philosophy of the School is to link "fundamental studies on nuclear power plants" to "practical application".
- Lecturers are invited from internationally renowned universities, research institutes and industries. The participants will benefit greatly from the lecturers of the world-top experts. In addition, the lecturers are expected to stay at least a few days during the School, guaranteeing an intensive exchange of knowledge between lecturers and students.
- All participants are required to make poster presentation of their research at the Young Generation Workshop. Participants from industries can present their work, in lieu of research.
- The Young generation Workshop will be held everyday during lunch break(30min. after lunch). In addition to discussion in the Workshop, the participants will benefit from developing friendship and global network through the Workshop
- The School will be hosted alternatively in Japan, USA, Korea and China and managed by the host country organizers each year.

The School will be held at the Tokai-campus of the University of Tokyo located at Tokai-mura of Ibaraki prefecture, 60km from the Tokyo International Airport (Narita), and 120km from Tokyo. The School will start on July 28 morning. Participation is mandatory till the end of the course on August 5 afternoon.



Transportation details from Narita-airport to the summer school will be informed on the web-site.

- NO TUITION FEE will be collected. But participants are requested to pay their expenses for lodging and meals during the school. The host organization will not provide for participants and lecturers travel and other expenditure. Their travel expenses participating in the school need to be supported by their organizations and the country.
- Official language of the school is English.

PROGRAM OUTLINE

LECTURERS

INFORMATION

APPLICATION FORM

Topic-1 Advance in LWR safety system design

- 1-1 Application of PSA in design and maintenance of ABWR
- 1-2 Design Feature and Demonstration Tests of Advanced Accumulator, a New Passive ECCS Component
- 1-3 Development and verification of passive safety system for AP1000
- 1-4 Safety & Transient performance of ESBWR based on TRACG analysis

- Mr. M. Fujii (Toshiba)
- Mr. T. Shiraishi (MHI)
- Dr. Luca Oriani (WH)
- Dr. J. Andersen (GE-Hitachi)

Topic-2 Advance in LWR severe accident counter-measure

- 2-1 Severe accident counter measures of EPR
- 2-2 Development and verification of IVR for AP1000
- 2-3 Severe accident mitigation features of APR1400
- 2-4 Light water reactor development and severe accident research in China

- Mr. D. Bittermann (AREVA)
- Dr. Luca Oriani (WH)
- Dr. S.B. Kim (KAERI)
- Dr. X. Cheng (SJTU)

Topic-3 Advance in LWR plant design & evaluation

- 3-1 Full MOX Core (Ohma ABWR)
- 3-2 MOX Core Design of Japanese PWR
- 3-3 BWR Thermal hydraulics
- 3-4 CFD Application in BWR Reactor System Design
- 3-5 New Generation Technology of Digital I&C System
- 3-6 Advanced CAD & Computer Model and its Application
- 3-7 Seismic design and evaluation (1): Lessons learned from the earthquake attacked at the KK NPP
- 3-8 (2): New Japanese Regulatory Guide on seismic design of NPP and seismic PSA

- Mr. A. Nishimura (GNF-J)
- Mr. M. Nagai (MHI)
- Dr. J. Andersen (GE-Hitachi)
- Mr. Y. Yoshimoto (Hitachi-GE)
- Dr. T. Maekawa (Toshiba)
- Mr. J. Kawahata (Hitachi-GE)
- Dr. S. Motohashi (JNES)

Topic-4 Advance in design and evaluation of LWR fuel

- 4-1 Advances in PWR Fuel Design and Core Design
- 4-2 Nuclear design of BWR fuel
- 4-3 Advance in design and evaluation of nuclear fuel
- 4-4 Nuclear Fuel (thermal hydraulic): BWR
- 4-5 Mechanical design of PWR fuel
- 4-6 Fuel (mechanical) : BWR
- 4-7 Analysis and Evaluation on High Burn-up Fuel Behavior by FEMAXI code
- 4-8 Fuel Behavior during Design basis Accidents in LWR

- Mr. M. Kauchi (MHI)
- Mr. K. Matsumoto (GNF-J)
- Mr. I. Matoba (MHI)
- Mr. J. Saeki, T. Kageyama (GNFJ)
- Mr. J. Shimizu (MHI)
- Mr. T. Matsumoto (GNF-J)
- Mr. M. Suzuki (JAEA)
- Dr. T. Fuketa (JAEA)

No registration fee

will be charged to the participants except expenses of lodging and meals during the Summer School.

The lodging and meals will be arranged by the organizer. The total expenses of 29,000 JYen (approx 300 US\$) will be collected in cash of Japanese Yen at the time of registration of the School. It includes the lodging from July 28 to August 5 with meals except meals of August 2, Sunday. Exchange of foreign currency is not available in Tokai-mura. It should be made at the airport before arriving Tokai-mura.

The travel expenses should be borne by participants.

All applicants are required to provide a short letter explaining the reason of application (less than half a page) and curriculum vitae, which will be used for selection purposes.

On Saturday Aug. 1 program of cultural events will be organized.

Certificate will be awarded for the successful completion of the Summer School

Participants (all students) are required to make the poster presentation during the school. Manuscripts of posters should be sent to NPPss_pos@nuclear.jp by June 30, 2009 electronically for preparation of the proceedings. Posters for presentation should be hand carried and displayed by participants.

Inquiries; e-mail; NPPss_adm@nuclear.jp

To Dr. Junichi Yamashita and Dr. Zenko Yoshida
+81-29-287-8439 and +81-29-287-8480

Application form is shown below and the form can be down-loaded from web-site:
www.nuclear.jp/summerschool/

Application should be made by returning the form

Before April 30, 2009

to Ms. M. Watanabe, 〒319-1188 2-22 Shirane, Shirakata, Tokaimura, Naka-gun, Ibaraki-ken, JAPAN
Tel: +81-29-287-8438, e-mail; NPPss@nuclear.jp

The First International Summer School of Nuclear Power Plants and young generation workshop
Tokai-mura, Japan
July 28-August 5, 2009

Please print

Title and Family Name
(Prof, Dr, Ms, Mr.)

First Name

Employer/University

Professional address:

Country:

Tel:

Fax:

E-mail:

Supplementary information for site visits

Date of birth:

Birthplace:

Nationality:

Home address:

Passport number:

Issued at:

Issued on:

Expires on:

Please enclose a short letter explaining the reason of application and curriculum vitae
(+photo in JPEG RGB)

Date:

Signature:

YOUNG GENERATION WORKSHOP

Posters will be presented by participants and discussion among participants and lecturers will be held.

Technical Tour

- Tour-1 Tokai facilities of JAEA
- Tour-2 Oharai facilities of JAEA
- Tour-3 NSRR of JAEA