

# 2012 Japan-Korea Joint Summer School on Accelerator and Beam Science, Nuclear Data, Radiation Engineering and Reactor Physics



**2012/8/27-30**

**KYOTO UNIVERSITY RESEARCH  
REACTOR INSTITUTE**

**KUMATORI, JAPAN**

**REGISTRATION**

**DEADLINE:  
AUGUST 6, 2012**

## ANNOUNCEMENT

Kyoto University Research Reactor Institute (KURRI), Kumatori, Japan, is honored to host this year's Japan-Korea Joint Summer School from August 27 to 30, 2012, through the support of Atomic Energy Society, Japan (AESJ), and Korea Nuclear Society (KNS).

This Summer School is surely a unique opportunity for the graduate students and young researchers to study the fundamentals as well as cutting edge science on accelerator and beam science, nuclear data, radiation engineering and reactor physics.

Leading professors and researchers from Japan and Korea will be giving extensive lectures during the School. The course also includes experimental courses supervised by the experienced lecturers of KURRI using the various facilities of the Institute.

This year's School also highlights the Special lectures on Fukushima Dai-I accident, which includes the scientific analysis of the accident from reactor engineering, seismology, environmental impact and energy policy / scenario analysis.



### TOPICS COVERED

Topics: Reactor physics methodology, Accelerator driven subcritical system, Evaluated nuclear data library, Detector development, Synchrotron radiation application, Advanced radiation measurement

### STUDENT POSTER PRESENTATION

Student participant is required to present their current study during the poster session. Presentations on bachelor or master thesis are accepted.

Lecturers and staffs will rate all presentations and the highest mark presenters will be awarded at the closing ceremony.

### SCHOOL FEE (NOT INCLUDING ACCOMMODATION EXPENCES)

Japanese Student and Staff : 5,000 JPY

Korean Student : free

Korean Staff : 5,000 JPY

Lecturer : free

Limited number of institute dormitory is available (1,000 JPY per night).

Nearby hotels can be reserved with special discount rate.

# AGENDA

# LECTURERS

# EXPERIMENTS

## **Day 1 (Aug. 27)**

1500-  
Evening  
Registration  
Welcome Get-Together

## **DAY 2 (Aug. 28)**

AM  
Opening Ceremony  
Special Lectures on  
Fukushima Dai-I Accident  
PM  
Special Lectures on  
Fukushima Dai-I Accident  
Lectures  
Evening  
Student Poster Session

## **DAY 3 (Aug. 29)**

AM  
Lectures  
PM  
Lectures  
Evening  
Reception

## **DAY 4 (Aug. 30)**

AM  
Lectures  
PM  
Experiment Courses  
Closing Ceremony

## SPECIAL LECTURE ON FUKUSHIMA DAI-I ACCIDENT:

- Prof. Kei-ichi ISHIHARA (Kyoto Univ.)
- Prof. Katsuhiko KAMAE (Kyoto Univ.)
- Prof. Sentaro TAKAHASHI (Kyoto Univ.)

## LECTURES :

### Reactor Physics

- Dr. Jae-Man NOH (KAERI)
- Prof. Toshikazu TAKEDA (Fukui Univ.)
- Prof. Hironobu UNESAKI (Kyoto Univ.)

### Accelerator Technology / Beam Technology

- Dr. Han-Sung KIM (KAERI)
- Prof. Yoshiharu MORI (Kyoto Univ.)

### Radiation Engineering

- Prof. Yong-Kyun KIM (Hanang Univ.)
- Prof. Ikuo KANNO (Kyoto Univ.)
- Prof. Toshiya SANAMI (KEK)

### Nuclear Data

- Dr. Hyeong Il KIM (KAERI)
- Prof. Masayuki IGASHIRA (TiTech)
- Dr. Osamu IWAMOTO (JAEA)

1. Absolute Neutron Flux Measurement by  $4\pi\beta\text{-}\gamma$  Detection at KUCA  
(Reactor Physics)
2. Beam Tune Experiment at FFAG  
(Accelerator/Beam technology)
3. Neutron Capture Cross Section Measurement at LINAC  
(Nuclear Data)
4. Compton Scattering Effect Suppression in Radiation Detection at Hot Lab.  
(Radiation Engineering)
5. Approach to Criticality at KUR  
(Reactor Physics)

FOR DETAILED INFORMATION & UPDATES  
CHECK THE DEDICATED WEB SITE:

<http://www.rri.kyoto-u.ac.jp/nikkan/toppage.html>