Announcement of

2006 KNS-AESJ Joint Summer School for Students & Young Scientists/

The Fifth Korea Accelerator Summer School

Place: INTEC, Korea Atomic Energy Research Institute (KAERI), Daejeon, Korea

Date: 6 August – 11 August, 2006.

Organization:

3 divisions of the Korea Nuclear Society (KNS) as follows,

Reactor physics & Computational Science Division

Radiation Utilization and Protection Division

Quantum Engineering & Nuclear Fusion Division

4 divisions of the Atomic Energy Society of Japan (AESJ) as follows,

Accelerator/Beam Science Division,

Nuclear Data Division,

Radiation Engineering Division,

Reactor Physics Division

Co-organized by the Proton Engineering Frontier Project (PEFP) of Korea

The summer school is five day lecture for graduate students and young scientists in the field of accelerator, reactor physics, nuclear data, and radiation engineering. A student session and technical tours will be organized too. The registration fee covers the dormitory room charge, the meal, and the text during the period.

Lecture topics:

1. Accelerator and its application
   1) Accelerator design
   2) Applications of particle accelerators
   3) Accelerator-based laser and its applications
2. Nuclear Data
   1) Nuclear data measurement, evaluation and processing
   2) Nuclear data needs for future system
3. Reactor physics
   1) Advances in reactor physics
   2) Reactor physics for ADS
4. Radiation engineering
   1) Basics and advances in radiation transport
   2) Advances in detector design

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Date/ Time	Topic
Aug 07 (Mon) 10:00 (2h 30m)	General introduction to accelerator
13:30 (1h 30m)	Accelerator and its application (I)
15:30 (2h 30m)	Nuclear data measurement using accelerators
Aug 08 (Tue) 09:30 (3h)	Advances in reactor physics Reactor physics for ADS
13:30 (4h)	Technical tour to KAERI
Aug 09 (Tue) 09:30 (3h)	Technical tour to KSTAR
13:30 (2h 30m)	Nuclear data evaluation and processing Nuclear data needs for future system
16:00 (2h)	Accelerator and its application (II)
Aug 10 (Tue) 09:30 (3h)	Laser and its applications
13:30 (2h)	Radiation engineering (Radiation transport)
15:30 (2h)	Radiation engineering (Detector design)
Aug 11 (Fri)	Tour to KAPRA and DMZ