

Invitation to

“Special Workshop on Reactor Physics”

You are cordially invited to a special workshop at Korea Atomic Energy Research Institute (KAERI) in honor of the retirement of Prof. Nam Zin Cho. The event will bring together the students, friends, and peers of Prof. Cho to give a series of talks on the advancements of nuclear reactor physics and analysis methodology. The aim of this workshop is to summarize recent global developments in nuclear reactor physics while recognizing Prof. Cho's long and distinguished career as an educator and researcher in the field. We hope you will join us not only in honoring him but also in learning about the latest advancements of reactor analysis and pursuing a bright future for nuclear technology and its applications. We hope to see you in attendance.

Theme: Modern Reactor Physics and Its Future

Location: INTEC, KAERI

Lecturers: B. Ganapol, University of Arizona, USA

H. C. Wu, Xi'an Jiaotong University, China

R. Sanchez, CEA, France

F. Rahnema, Georgia Institute of Tech., USA

T. Takeda, University of Fukui, Japan

A. Haghighat, Virginia Tech., USA

N. Z. Cho, KAIST, Korea

Registration: Free (lunch for pre-registered attendees)

Head, Dep. of Nuclear & Quantum Eng. M. S. Yim

Senior Vice-president, Korea Atomic Energy Research Institute H. R. Kim

Workshop Schedule

Chair: Y. Kim

9:00 Registration

9:30 Opening by Dr. H. R. Kim (Senior Vice-president, Korea Atomic Energy Research Institute)

Session 1 (9:40-11:10)

09:40 B. Ganapol The Response Matrix S_N Solution to the 1D Neutron Transport Equation

10:10 H. C. Wu The Development of High Fidelity Numerical Calculation Method for Reactor Physics Simulation

10:40 R. Sanchez Use of the Doppler-broadened Kernel to Calculate the P_n Angular Moments for a Heavy Isotope at Intermediary Energies

11:10-11:20 Coffee Break

Session 2 (11:20-12:50)

11:20 F. Rahnema Whole-Core Transport via COMET

11:50 T. Takeda An SFR Design for Minor-actinide Transmutation and Method Development in Japan

12:20 A. Haghighat Recent Advancements in PENTRAN and TITAN Code Systems

12:50 N. Z. Cho Closing Remark

13:00-14:00 Lunch (lunch box)

14:00-15:00 Technical Tour to KAERI or KEPSCO-NF (if necessary)

Registration

On-line registration: Please send an e-mail to Woosong Kim (김우송) at kimwoosong@kaist.ac.kr including your name, affiliation, e-mail address.

On-site registration: You are supposed to fill out an attendee form.

Directions

INTEC, Korea Atomic Energy Research Institute
111, Daedeok-Daero 989 Beon-gil, Yuseong-gu, Daejeon, Korea



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| ① Daedok Science Town Management Office | ④ Science Museum |
| ② Yuseong Express Bus Terminal | ⑤ Expo Science Park |
| ③ Chungnam University | ⑥ KBS |

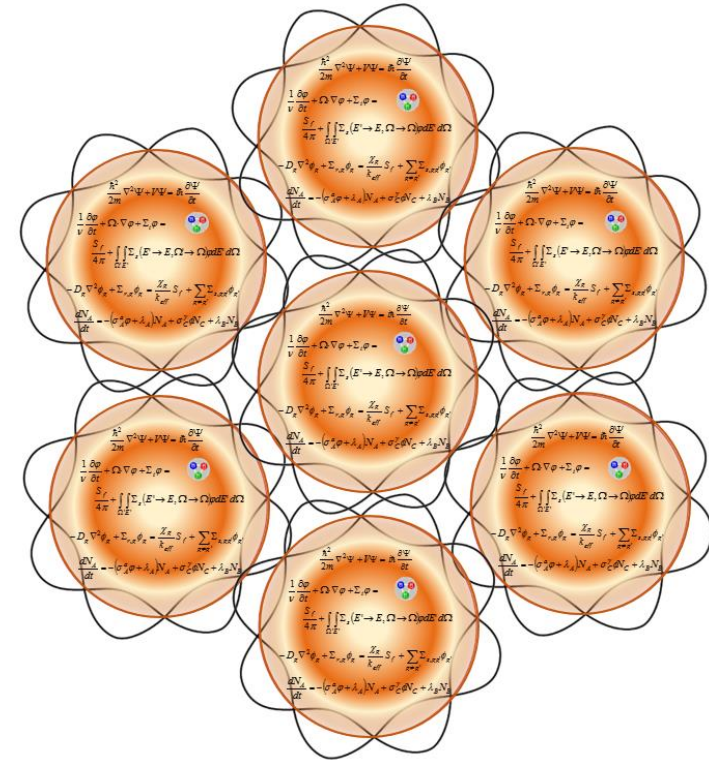
For More Information

Homepage : <http://nuclear.kaist.ac.kr>

Telephone : +82) 42-350-3879

Email : kimwoosong@kaist.ac.kr (Woosong Kim)

Special Workshop on Reactor Physics



Date: December 9, 2014

Venue: INTEC, Korea Atomic Energy Research Institute

**Organized by Department of Nuclear & Quantum Engineering
and Korea Atomic Energy Research Institute**

