

## Invitation to

### *“Global Leaders’ Symposium on Reactor Physics”*

You are cordially invited to a special symposium at Korea Advanced Institute of Science and Technology 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 symposium 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:** Mechanical Engineering Building (N7)

**Lecturers:** B. Ganapol, University of Arizona, USA

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

J. M. Noh, KAERI, Korea

F. Rahnema, Georgia Institute of Tech., USA

T. Takeda, University of Fukui, Japan

C. H. Kim, Seoul National University, Korea

R. Sanchez, CEA, France

A. Haghghat, Virginia Tech., USA

N. Z. Cho, KAIST, Korea

**Registration:** Free (lunch & dinner for pre-registered attendees)

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

Chair of Symposium, Dep. of Nuclear & Quantum Eng. P. H. Seong

## Lecture Schedule

Chair: Y. Kim

**9:00 Registration**

**9:50 Opening by Prof. P. H. Seong (General Chair of Symposium)**

### Session 1 (10:00-12:00)

**10:00 B. Ganapol** The Infinite Medium Green’s Function of Mono-energetic Neutron Transport Theory via Fourier Transform

**10:40 H. C. Wu** Research Activities of Reactor Physics in Xi’an Jiatong University and China

**11:20 J. M. Noh** Development of Computational Methods for the Analysis of Very High Temperature Gas-Cooled Reactor Cores

**12:00-13:30 Lunch**

### Session 2 (13:30-15:30)

**13:30 F. Rahnema** Subgroup Decomposition & Quasi Transport Method for Accelerating Eigenvalue Transport Solutions

**14:10 T. Takeda** Present Status of Reactor Analysis Methods in Japan

**14:50 C. H. Kim** The SNU Monte Carlo Code McCARD - the Current Status and Future Prospects

**15:30-15:50 Coffee Break**

### Session 3 (15:50-17:40)

**15:50 R. Sanchez** Some Comments in Neutron Noise Theory

**16:30 A. Haghghat** Multi-stage Response Function Methodologies for Real-Time Transport Calculations

**17:10 N. Z. Cho** On Domain-Decomposed Monte Carlo Calculation for Whole-Core Analysis

**18:00-20:00 Banquet (Prof. M. S. Yim, Department Head, KAIST)**

*Note: There will be a workshop on December 9 at KAERI as an extended activity of the special symposium in honor of Prof. Cho’s retirement. All the international scholars will give precious lectures in the workshop.*

## Organizing Committee

Prof. P. H. Seong (General Chair of Symposium, KAIST)

Prof. M. S. Yim (KAIST), Dr. H. R. Kim (VP, KAERI)

Prof. Y. Kim (KAIST), Prof. S. M. Choi (KAIST)

## Registration

**On-line registration:** Please send an e-mail to Woosong Kim (김우송) at [kimwoosong@kaist.ac.kr](mailto:kimwoosong@kaist.ac.kr) including your name, affiliation, e-mail address, and your intention to attend the banquet on December 8 and the special workshop on December 9 at KAERI.

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

## Directions

Lecture Hall #1501 at Building N7

KAIST, 291 Daehak-ro, Yuseong-gu, Daejeon 305-701



## For More Information

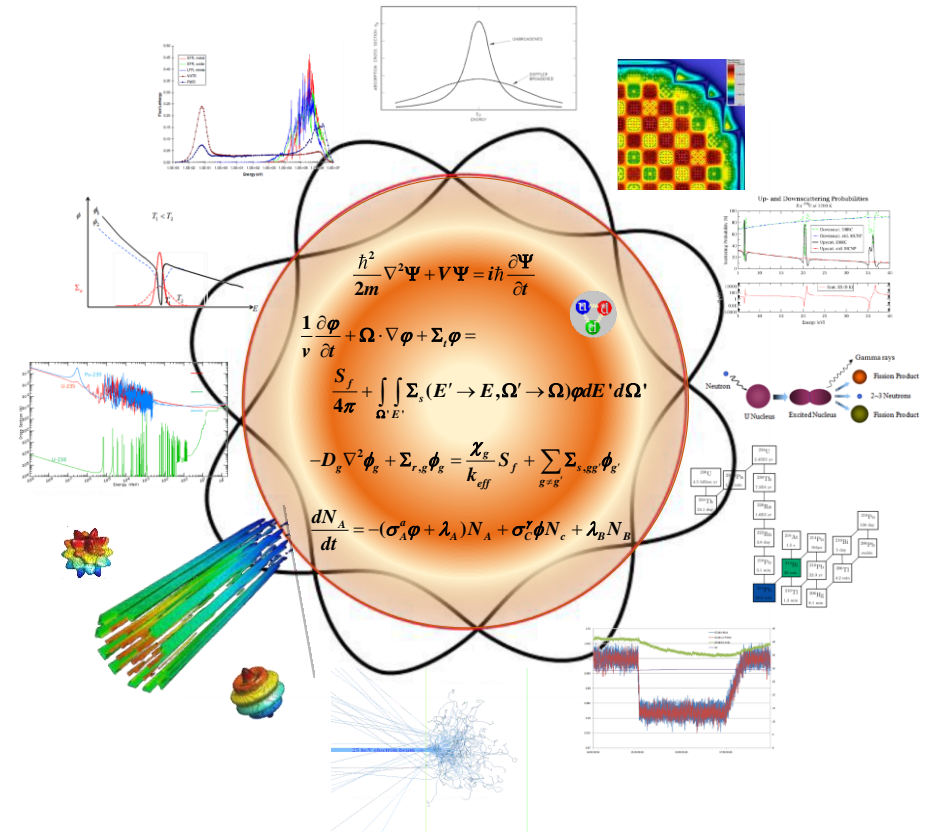
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Email : [kimwoosong@kaist.ac.kr](mailto:kimwoosong@kaist.ac.kr) (Woosong Kim)

## Global Leaders' Symposium on Reactor Physics

**The Future Is Here.**



**Date: December 8, 2014**

**Venue: Lecture Hall #1501 at N7**

**Organized by Department of Nuclear & Quantum Engineering**

**KAIST**