

Rare Isotope Science Project

PROSPECTUS

Title: Korea Particle Accelerator School (KOPAS)

Date: July 28, 2015 - July 31, 2015 (4 days duration)

Venue: Institute for Basic Science(IBS), Daejeon, Republic of Korea

Deadline for application: July 17, 2015

Organizing Committee: Dr. Sunchan Jeong (Director, IBS/RISP, Korea), Dr. Dong O Jeon (IBS/RISP, Korea), Prof. Do-Won Kim (Kangnung N. Univ., Korea), Prof. William A. Barletta (USPAS/MIT, USA), Prof. Young-Kee Kim (Univ. of Chicago, USA)

Lecturers: Prof. Jean Delayen (from Old Dominion Univ. / JLab), Dr. John Byrd (from LBL / CBP), Dr. Yujong Kim (from KAERI), Prof. Moses Chung (from UNIST)

Participant's qualifications:

The program welcomes all international participants who have studied Electromagnetism, Dynamics and Relativity. Future scientists in the Accelerator Physics field or undergraduate/graduate students from East and Southeast Asia who plan to study Accelerator and related science are all welcomed to apply as overseas candidates. In domestic applicant pool, we expect to have 50 of the undergraduate/graduate students in the accelerator science, nuclear physics and related field. In order to enhance the quality of the program, 60 participants will be accepted to the program at most.

Note: All undergraduate/graduate students must attach and send the scanned version of the letter of recommendation to kopas@ibs.re.kr until the deadline of the registration.

Languages: English

Purpose:

The objective of the program is to encourage participation of talented students in science and engineering to the project.

Program:

The program plans to cover entry-level courses on accelerator physics and some focus topics which includes Space-charge Effects, Basics of Synchrotron Radiation, Basics of Instabilities, Basics of Superconducting RF cavity and Basics of Beam Diagnostics..

Registration procedure:

Registration should be submitted through the KoPAS Indico webpage no later than **July 17, 2015**. Registration received after this date cannot be considered.

- ✘ Webpage Link: <http://indico.risp.re.kr/indico/event/kopas2015>
- ✘ Please also note that all undergraduate/graduate students must attach and send the scanned version of the recommendation letter to kopas@ibs.re.kr until the deadline of the registration date.
- ✘ No registration fee is charged to participants, and IBS/RISP will cover the local expenses including accommodation, food and minor incidental expenses during their attendance at the program.

Student Grant:

- Grants are for student participants.
- IBS/RISP is generally not in a position to bear the travel cost of participants. However limited supports for travel expenses will be available for the selected and **most needy students from Southeast Asia upon request.**
- The organizers of the course assume no liability or responsibility whatsoever for the payment of any compensation in respect to a participant's possible involvement in an accident.