

**The 1st Circular of
Korea Particle Accelerator School (KOPAS 2015)**

Dates: July 28 - 31, 2015 (4 days)

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

Homepage: <http://risp.ibs.re.kr/>

Application Deadline: July 17, 2015

1. Brief Description

The Korea Particle Accelerator School (KoPAS 2015) will be held in **Daejeon, Republic of Korea**, from **July 28 to 31, 2015**. 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. For this program, internationally prominent lecturers from the USPAS (U.S. Particle Accelerator School) has been invited to encourage participation of talented students who are studying in the field related to accelerator and also develop curriculum that provides necessary background for prospective researchers in accelerator science and nuclear physics.

2. Application

All the participants are kindly requested to make registration by email no later than **July 17, 2015**.

3. Application Fees

No application fees are required. If you need an invitation letter for your visa application or for other purposes, please contact us. Please refer to the attached prospectus for participant's qualification and more detailed application procedure.

4. Accommodation

Participants will stay at the Hotel ICC (<http://hotelicc.com/eng/index.do>) which is located in Daejeon. IBS/RISP will cover the accommodation (twin room) and food (breakfast, lunch, and dinner) expenses during your attendance to the program.

5. Lecturers

< USPAS >

- Prof. Jean DELAYEN (Professor of Physics at Old Dominion Univ. / Senior Scientist at Jefferson Lab.)
- Dr. John BYRD (Senior Scientist at Lawrence Berkeley Lab. / Head of the Berkeley Center for Beam Physics)

< Domestic >

- Dr. Yujong KIM (Senior Scientist at Korea Atomic Energy Research Institute)
- Prof. Moses CHUNG (Professor of Physics at Ulsan National Institute of Science and Technology)

6. Organizers

< IBS/ RISP (Rare Isotope Science Project) in cooperation with USPAS (U.S. Particle Accelerator School)>

The Institute for Basic Science (IBS) was established by the Korean government in November 2011 with the goal to create a world-class research institute in the basic sciences. IBS is to develop scientific and technical expertise in basic sciences overall. It commenced the Rare Isotope Science Project (RISP) which requires active involvement of various scientific fields such as nuclear physics, medical, material science and applications.

7. Further Information

Any inquiries should be directed to the person in charge at IBS/RISP via e-mail (kopas@ibs.re.kr) or phone (+82-42-878-8857).

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/conferenceDisplay.py?ovw=True&confId=35>
- ※ 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.