

The First Circular
The 23rd International Conference on Accelerators and Beam Utilization
(ICABU2019)

Dates: November 13 (Wed) – 15 (Fri), 2019

Venue: Hotel ICC, Daejeon, Korea

Homepage: <http://indico.ibs.re.kr/e/icabu2019>

Important Dates

Registration: September 30, 2019

Abstract Submission: September 30, 2019

Industrial Exhibitions Registration: September 30, 2019

Full Paper Submission: November 15, 2019

1. Brief Description

The 23rd International Conference on Accelerators and Beam Utilization (ICABU2019) will be held from November 13 to 15, 2019, at Hotel ICC in Daejeon, Korea. Traditionally, the conference covers new developments in accelerator technologies and utilizations of particle beams in a wide range of research fields, spanning from basic science to industrial applications. Keeping its spirit, the conference will shed light on various accelerator projects in the world and Korea, and beam instrumentation and utilization in emerging R&D fields through the plenary sessions and parallel sessions. The poster session welcomes sophisticated R&D results from accelerator developments and particle beam utilizations. In addition, a special session on medical equipment utilizing accelerator and beam will be formulated to discuss about diverse medical applications on Nov. 14.

2. Topics

- Accelerator operation and ongoing projects in the world and Korea
 - Superconducting ion and electron accelerator, Synchrotron light source and XFEL, High power accelerator, Neutron source, Particle therapy facility, Industrial accelerator, etc.
 - In Korea: RAON, KOMAC, PLS-II, PAL-XFEL
 - In USA and Canada: FRIB/MSU, ATLAS/ANL, APS/ANL, TRIUMF
 - In China: CEPC/IHEP
 - In Europe: European XFEL/DESY, ISOLDE/CERN

- Accelerator Technologies
Ion Sources, RF/SRF technologies, Conventional and SC magnets, Beam instrumentation and diagnostics, Beam dynamics, Radiation shielding & Safety, etc.
- Beam Utilizations
Protons, Neutrons, Ions, and Photons in basic science, materials science, nano, bio-life, information, space, energy & environment, medical applications, industrial processing, etc.

3. Conference venue

The conference venue is the Hotel ICC, Daejeon, Korea.

4. Call for papers

The deadline for the abstract is September 30, 2019, and the full paper for proceedings is due by November 15, 2019.

5. Registration

All participants are kindly asked to make registration. Details of registration will be instructed in the 2nd circular. The registration fee is 70,000 KRW for student (about 70 USD) and 150,000 KRW for professional (about 150 USD), which includes banquet, coffee breaks, and conference booklet. The deadline of the registration is September 30, 2019. If you need an invitation letter for your visa application or for other purposes, please contact us. (icabu2019@ibs.re.kr)

6. Industrial Exhibition

The Industrial Exhibition is formulated to provide industries a valuable opportunity to show their products and to have a direct interaction with the community of accelerators and beam utilization. Industrial Exhibition booth registration is due by September 30, 2019. The allocation of the booths will be made on a "first come - first served" basis.

7. Organizing Committee

Myeun Kwon (RISP/IBS, Chair)
Jun Sig Lee (KOMAC/KAERI)
Do Young Noh (GIST)
Sun Soon Park (DAWONSYS)

In Soo Ko (PAL)
Se Byeong Lee (NCC)
Seung Jeong Noh (Dankook Univ.)
Jie Gao (IHEP/China)

8. Scientific Program Committee

Jong Won Kim (RISP/IBS, Chair)

Yongseok Oh (Kyungpook Nat'l Univ.)

Young Jin Kim (RISP/IBS)
Ju Hahn Lee (RISP/IBS)
Dong-O Jeon (RISP/IBS)
Hyun Hwi Lee (PAL)
Seung Hwan Shin (PAL)
Byung-Joon Lee (PAL)
Hyeok Jung Kwon (KOMAC/KAERI)
Jun Kue Park (KOMAC/KAERI)
Young Ouk Lee (KAERI)

Eun San Kim (Korea Univ.)
Hwan Bae Park (Kyungpook Nat'l Univ.)
Hy-yong Suk(GIST)
Jong-Ki Kim (Daegu Catholic Univ.)
Sang-Wook Han (Jeonbuk Nat'l Univ.)
Eunmi Choi (UNIST)
Dong Ho Moon (Chonnam Nat'l Univ.)
Young Kyung Lim (NCC)

9. Local Organizing Committee

Jeehyun Cho (RISP/IBS)
Beomsoo Joo (RISP/IBS)
Jiwon Sung (RISP/IBS)
Dongjin Kim (PAL)

Sukhyun Jin (PAL)
Kyeong-Jun Mun (KOMAC/KAERI)
Minyoung Kim (KOMAC/KAERI)

10. Further Information

For any inquiries, please contact the conference secretary Ms. Jeehyun Cho (icabu2019@ibs.re.kr).