

# The 14<sup>th</sup> International Conference on Accelerator and Beam Utilization

October 7~8, 2010, Gyeongju, Korea

The 14<sup>th</sup> International Conference on Accelerator and Beam Utilization will be held in Gyeongju, Korea, from October 7 to 8, 2010. Traditionally, the conference has covered emerging issues in advanced accelerator technologies and utilizations of photons, electrons, protons, neutrons, and ions in a wide range of research fields, ranging from NT, BT, IT, ET, ST, RT, medical applications, materials science, to basic science. While keeping its own spirits, this conference will shed light on the major accelerator projects, bio-medical applications and industrial applications through the plenary sessions and dedicated parallel sessions.

The plenary sessions review the major accelerator projects, the latest status and perspectives of bio-medical applications and industrial applications of accelerators and particle beams. Parallel sessions are organized to review recent developments or issues in accelerator technologies, synchrotron light applications, bio-medical applications of accelerators, and industrial applications of accelerator. In addition, a poster session is formulated through which all the sophisticated research results are presented in the wide range of research fields.

#### Topics covered :

Accelerator Project : High Intensity Proton Accelerator, Synchrotron Light Source, X-ray Free Electron Laser, Heavy Ion Accelerator, Spallation Neutron Source, Proton Therapy Facility, Industrial Accelerator, etc.

Accelerator technology : Ion Sources, RFQ, DTL, SFR, Synchrotron, Beam Dynamics, Operation, Control & Monitor, etc.

Beam Utilization : Applications of UV, X-ray, gamma ray, Electrons, Protons, Neutrons, and Ions in NT, BT, IT, ET, ST, RT, Medicine, Industrial Processing, Materials Processing, Materials Science, etc.

Publication : All the authors are strongly encouraged to prepare a manuscript of their papers. The conference program committee will review all the manuscripts, and selected papers are to be published in a special issue of the Journal of Korean Physical Society, if accepted, which will replace the conference proceedings.

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#### Information :

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Registration : August 30 ~ September 17, 2010

Abstract Submission : August 30 ~ September 17, 2010

Paper Submission : September 17 ~ 30, 2010