



Korea Particle Accelerator School (KoPAS 2015)

제3회 국제가속기학교

July 28(Tue) - 31(Fri), 2015

2015년 7월 28일(화) - 31일(금)

Venue : Institute for Basic Science(IBS), Daejeon

장소 : 대전 기초과학연구원

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 Delaunay
· Old Dominion Univ. / JLab



Dr. John Byrd
· LBNL / CBP



Dr. Yujong Kim
· KAERI



Prof. Moses Chung
· UNIST

7. 28	7. 29	7. 30	7. 31
Introduction to Accelerator Physics	Introduction to Accelerator Physics	Focus Topics	Focus Topics
<ul style="list-style-type: none"> · Basics of Electromagnetism, Dynamics and Relativity · Transverse Linear Optics, Phase Space, Betatron Oscillation · Transverse Emittance & Transverse Beam Parameters 	<ul style="list-style-type: none"> · Basics of RF System · Basics of RF Cavity · Longitudinal Phase Space, Synchrotron Oscillation & Longitudinal Beam Parameters · Lattice Design and Transverse & Longitudinal Beam Dynamics 	<ul style="list-style-type: none"> · Space-charge Effects · Basics of Instabilities · Basics of Superconducting RF Cavity 	<ul style="list-style-type: none"> · Basics of Synchrotron Radiation · Basics of Beam Diagnostics

※ There is no registration fee to all participants.
※ Deadline of registration : July 17, 2015

※ The schedules for 'Focus Topics' are TENTATIVE.
※ <http://indico.risp.re.kr/indico/event/kopas2015>