



Tenth International Accelerator School for Linear Colliders

July 30, 2016

Dear Colleagues,

We are pleased to announce the *Tenth International Accelerator School for Linear Colliders*. This school is a continuation of the series of schools which began ten years ago: Japan 2006, Italy 2007, United States 2008, China 2009, Switzerland 2010, United States 2011, India 2012, Turkey 2013 and Canada 2015. The school is organized by the Linear Collider Collaboration (LCC) and the International Committee for Future Accelerators (ICFA) Beam Dynamics Panel. The school this year will take place at the **Teijin Academy at Mt. Fuji, Susono, Shizuoka, Japan from December 8 to 19, 2016**. It will be hosted by KEK and supported by a number of funding agencies and institutions around the world including CERN, KEK, DESY, SLAC, INFN, IHEP, RRCAT, Korea Univ., TRIUMF and E-JADE.

We will offer an 11-day program, including an excursion, a site visit to KEK and an examination. There will be 7-1/2 days of lectures. The first 2 days will be an introductory course with an overview of future lepton colliders (ILC, CLIC and advanced accelerators) and detectors, as well as introductions to linac and beam instrumentation basics. This will be followed by three elective courses in parallel, one on collider beam physics, one on warm and cold RF, and the third one on collider technology (instrumentation, alignment, feedback, fs timing, special magnets, etc.) and machine-detector interface (MDI, including background and collimation, doublet, solenoid compensation, calibration technique, etc.), which is a new addition to this year's school. Each student is required to take the introductory course and one of the three electives. A complete program can be found on the school web site (www.linearcollider.org/school/2016/). There will be homework assignments and a final examination but no university credits.

We encourage young physicists (graduate students, post doctoral fellows, junior researchers) to apply. In particular we welcome those physicists who are considering changing to a career in accelerator physics and technology. This school uses an in-depth approach. As a new selective course has been added, former students are welcome to apply if they have a compelling reason to do so. The school will accept a maximum of 60 students from around the world. There will be a registration fee to cover local expenses (lodging, meals, excursion, local transportation, school supplies, etc.). Financial support for a limited number of students is available. Each applicant should complete the online registration form (which can be found on the school web site) and submit a curriculum vita as well as a letter of recommendation from his/her supervisor (in electronic form, either PDF or MS WORD). **The application deadline is August 31, 2016.** For more information, please contact: Dr. Takayuki Saeki, KEK, 1-1 Oho, Tsukuba-shi, Ibaraki-ken, 305-0801, Japan, fax: +81-29-864-3182, e-mail: LC-School@ml.post.kek.jp.

Best regards,

Lyn Evans
Organizing Committee

Weiren Chou
Curriculum Committee

Nobuhiro Terunuma
Local Committee

Organizing Committee

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