



## Second International Accelerator School for Linear Colliders

April 3, 2007

Dear Colleagues,

We are pleased to announce the *Second International Accelerator School for Linear Colliders*. This school is a continuation of the first school held last year at Sokendai, Japan. It is organized jointly by the International Linear Collider (ILC) Global Design Effort (GDE), the International Linear Collider Steering Committee (ILCSC) and the International Committee for Future Accelerators (ICFA) Beam Dynamics Panel. The school this year will take place at the Ettore Majorana Center, Erice (Sicily), Italy from October 1 – 10, 2007. The school is sponsored by the U.S. Department of Energy (DOE) Office of Science, the U.S. National Science Foundation (NSF), Fermilab, SLAC, CERN, DESY, KEK, PPARC, INFN, IN2P3 and CARE/ELAN.

We will offer an 8-day program, including a half-day for excursions. There will be a total of 12 lectures covering both basic accelerator topics (e.g. synchrotrons, linacs, superconductivity, beam-beam interactions, etc.) and advanced topics. Most of the advanced topics will be focused on the ILC (e.g., sources, bunch compressor, damping ring, superconducting RF linac, beam delivery, instrumentation, feedback, conventional facilities and operations). There will also be a lecture dedicated to room temperature RF and the Compact Linear Collider (CLIC). All lectures will run in sequence. (There will be no parallel sessions.) A complete description of the program is attached. 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. The school will accept a maximum of 70 students from around the world. Students will receive financial aid covering the expenses for attending this school (including airfare, lodging, meals, local transportation and school supplies). There will be no registration fee. Each applicant should complete the online registration form (which can be found at [www.linearcollider.org/school/2007/](http://www.linearcollider.org/school/2007/)) and submit a curriculum vita as well as a recommendation letter from his/her supervisor (in electronic form, either PDF or MS WORD). The deadline for application is June 1, 2007. For more information, please contact: Cynthia M. Sazama, Fermilab, P.O. Box 500, Batavia, Illinois 60510, U.S.A., fax: +1-630-840-8589, e-mail: [sazama@fnal.gov](mailto:sazama@fnal.gov)

Best regards,

Barry Barish  
Director, ILC GDE

Shin-ichi Kurokawa  
Chair, ILCSC

Weiren Chou  
Chair, ICFA BD Panel