



Third International Accelerator School for Linear Colliders

February 20, 2008

Dear Colleagues,

We are pleased to announce the *Third International Accelerator School for Linear Colliders*. This school is a continuation of the series of schools started two years ago. The first school was held in 2006 at Sokendai, Hayama, Japan and the second one in 2007 at Erice, Sicily, Italy. The school is organized by the International Linear Collider (ILC) Global Design Effort (GDE), ILC Steering Committee (ILCSC) and the International Committee for Future Accelerators (ICFA) Beam Dynamics Panel. The school this year will take place at the Oak Brook Hills Marriott Hotel near Chicago, Illinois, U.S.A. from October 19 – 29, 2008. It is hosted by Fermilab and sponsored by a number of funding agencies and institutions around the world including the U.S. Department of Energy (DOE), the U.S. National Science Foundation (NSF), SLAC, CERN, DESY, INFN, IN2P3, CARE/ELAN, KEK, KNU, PAL and IHEP.

We will offer a 9-day program, with 8 days of lectures on accelerators at the Marriott Hotel and a one-day site visit to Fermilab, where hands-on training in a control room will be given. The program also includes a half-day field trip to downtown Chicago. There will be a total of 12 lectures covering both basic accelerator topics (e.g. synchrotrons, linacs, superconductivity, beam-beam interactions) and advanced topics. The advanced topics will be focused on the ILC as well as the Compact Linear Collider (CLIC). While these two types of linear colliders share a number of similarities (e.g., sources, damping rings, beam delivery, instrumentation, feedback, conventional facilities and detectors), each applies a different technology for acceleration (superconducting rf vs. room temperature rf, klystron vs. beam driven). There will also be a lecture on muon collider, a new type of lepton colliders. All lectures will run in sequence. (There will be no parallel sessions.) A complete description of the program can be found on the school web site. 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 their expenses for attending the school including travel (full or partial). There will be no registration fee. Each applicant should complete the online registration form (which can be found at www.linearcollider.org/school/2008/) 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 deadline for application is May 1, 2008. 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

Best regards,

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