



International Accelerator School for Linear Colliders



December 20, 2005

Dear Colleagues,

We are pleased to announce the *International Accelerator School for Linear Colliders*. This school 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. It will take place at Sokendai (a graduate university about 70 km south of Tokyo), Hayama, Japan from May 19 – 27, 2006. The school is sponsored by the U.S. Department of Energy (DOE) Office of Science, Fermilab, SLAC, CERN, DESY, KEK, PPARC, INFN and CARE/ELAN.

We will offer an 8-day program, with 6 days of lectures on accelerators at Sokendai and 2 days for a site visit to KEK, where lectures on detectors and physics will be given. The KEK part of the program is optional. The program also includes a half-day field trip to Kamakura, a historical town where Shogun had the government in the 13th – 14th centuries.

There will be a total of 20 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). In addition, there will be a special lecture on the Accelerator Test Facility (ATF) at KEK, where students can work on a real accelerator. All lectures will run in sequence. (There will be no parallel sessions.) A complete description of the program is attached. There will be homework but no examinations or 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 their career from experimental physics to accelerator physics. The school will accept up to a maximum of 80 students from around the world. All students will receive financial aid for 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) and send us 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 February 15, 2006. For more information, please contact: Yoko Hayashi, KEK, 1-1 Oho, Tsukuba, Ibaraki, 305-0801 Japan; telephone: +81-29-864-5214, fax: +81-29-864-3182, e-mail: ilc-school@milk.kek.jp

Best regards,

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