



## Seventh International Accelerator School for Linear Colliders

April 30, 2012

Dear Colleagues,

We are pleased to announce the *Seventh International Accelerator School for Linear Colliders*. This school is a continuation of the series of schools which began six years ago. The first school was held in 2006 at Sokendai, Japan, the second in 2007 at Erice, Italy, the third in 2008 at Oakbrook Hills, USA, the fourth in 2009 at Huairou, China, the fifth in 2010 at Villars-sur-Ollon, Switzerland, and the sixth in 2011 at Pacific Grove, USA. The school is organized by the International Linear Collider (ILC) Global Design Effort (GDE), the Compact Linear Collider (CLIC) and the International Committee for Future Accelerators (ICFA) Beam Dynamics Panel. The school this year will take place at the **Radisson Blu Hotel, Indore, India from November 27 to December 8, 2012**. It is hosted by the Raja Ramanna Center for Advanced Technology (RRCAT) 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), Fermilab, SLAC, CERN, DESY, INFN, IN2P3, CEA, CPAN, KEK, IHEP, RRCAT and India Department of Atomic Energy (DAE).

We will offer an 11-day program, including an excursion, a site visit and an examination. There will be 8-1/2 days of lectures. The first three days will be an introductory course with an overview of proposed future lepton colliders (ILC, CLIC and the muon collider) as well as introductions to linac basics and beam instrumentation. This will be followed by two elective courses, one on accelerator physics and the other on RF technology to run in parallel for 6 days. Each student is required to take the introductory course and one of the two electives. A complete program can be found on the school web site ([www.linearcollider.org/school/2012/](http://www.linearcollider.org/school/2012/)). 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. This school is adopting an in-depth approach. Therefore, former students are welcome to apply if they have a compelling reason to do so. The school will accept a maximum of 70 students from around the world. Students will receive financial aid covering their expenses for attending including travel (full or partial). There will be no registration fee. 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 July 20, 2012. For more information, please contact: Dr. Satish C. Joshi, Raja Ramanna Centre for Advanced Technology, Indore, M. P. – 452013, India, telephone: + 91-731-2442244, fax: + 91-731-2442200, email: [ics2012@rrcat.gov.in](mailto:ics2012@rrcat.gov.in)

Best regards,

Barry C. Barish  
Organizing Committee

Weiren Chou  
Curriculum Committee

P D Gupta  
Local Committee

## Organizing Committee

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Hesheng Chen (IHEP)  
Weiren Chou (ICFA BD Panel/Fermilab)  
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