International Linear Collider Workshop 2010
LCWS10 and ILC10

March 26-30, 2010
IHEP, Beijing, China

Dear colleagues,

The fifth General ILC Workshop (ILC10) is being organised by the Chinese Institute of High-Energy Physics, and will take place at the Friendship Hotel, Beijing, from Friday, March 26th until Tuesday, March 30, 2010. The workshop will run in parallel with the LCWS 2010 physics and detector workshops, with which ILC10 will have several joint plenary sessions. As in the past, our plans are to make these joint workshops a strong focus for the global ILC community.

Registration and other details can be found at the workshop website (http://lcws10.ihep.ac.cn)

Following on from the format established in previous workshops, ILC10 will focus on the following themes:

- Critical review of the on-going **risk mitigating R&D**, primarily the global high-gradient SCRF programme; electron cloud suppression and ultra-small emittance generation in the damping rings (CESR-TA, ATF, DAΦNE, etc.); ATF2 programme for demonstration of the final focus optics and beam stabilisation.
- **Technical progress** on engineering design work, specifically the SCRF linac (cryomodules) and development of 'plug compatibility' interface specifications; development of worldwide infrastructure and SCRF test facilities; further development of novel HLRF systems.
- **Machine Detector Interface** and general discussions on the physics requirements (jointly with LCWS)
- **Accelerator Design & Integration (ADI)**, continuing studies on the recently proposed design modifications, with a specific view to cost optimisation of the ILC baseline design. Refinement of proposals for future R&D in connection with the ADI effort.

ILC10 is formally the last workshop of the GDE's Technical Design Phase 1 (as outline in the GDE's published R&D Plan). It is therefore important that the workshop be forward looking towards Phase 2, and in particular begin to consolidate plans for the design and cost activities foreseen for Phase 2, leading up to the publication of the Technical Design Report in 2012. This will include careful planning of milestones aimed at consolidating the recommendations resulting from the on-going risk mitigating R&D.

The workshop will follow the traditional collegiate structure with an open plenary session on the first day, followed by focused Working Groups (WG) in parallel sessions for the following three days. A final summary and close-out plenary is scheduled for the last day. There will be plenary discussions with the experimental community at strategic points during the workshop. Special GDE plenary sessions are also planned for ADI and TD Phase 2 planning.

Working Groups

The current planned Working Groups are summarised below.

WG-1: Sources (electron and positron sources)

Conveners:

Wie Gai	(wg@hep.anl.gov)
Tsunehiko Omori	(tsunehiko.omori@kek.jp)
Louis Rinolfi	(louis.rinolfi@cern.ch)

WG-2: Damping Rings

Conveners:

Susanna Guiducci	(susanna.guiducci@lnf.infn.it)
Mark Palmer	(map36@cornell.edu)
Junji Urakawa	(junji.urakawa@kek.jp)

WG-3: SCRF Main Linac

Conveners:

Hitoshi Hayano	(Hitoshi.Hayano@kek.jp)
Chris Nantista	(nantista@slac.stanford.edu)
Carlo Pagani	(carlo.pagani@mi.infn.it)

WG-4: Beam Delivery System

Conveners:

Andrei Seryi	(seryi@slac.stanford.edu)
Hitoshi Yamamoto	(yhitoshi@awa.tohoku.ac.jp) for MDI specific
TBD	

WG-5: Conventional Facilities and Siting (CFS)

Conveners:

Atsushi Enomoto	(atsushi.enomoto@kek.jp)
Vic Kuchler	(kuchler@fnal.gov)
John Osborne	(john.andrews.osborne@cern.ch)

WG-6: Accelerator Physics (simulation)

Conveners:

Kiyoshi Kubo	(kiyoshi.kubo@kek.jp)
Daniel Schulte	(daniel.schulte@cern.ch)
Nikolay Solyak	(solyak@fnal.gov)