

## Around the World

### Building Understanding



Shirakata (centre) talking with visitors

Every month, a lot of Asian researchers come to KEK to conduct their research or experiments. "We have had 45 visitors for fiscal year 2007 so far, including ten Korean researchers," says Tomiko Shirakata, secretary at KEK's Linear Collider Project Office. Shirakata is in charge of KEK's visitors programme activities and provides all visitor supports such as arranging logistics, dealing with the consulate service for visa applications, and giving tips on how to spend days off in Japan. KEK launched the visitor programme in April 2006 aiming to facilitate the foreign researchers' activities in Japan, especially for Asian researchers and students, who may have difficulties to conduct research overseas for some country-specific reasons.

[Read more...](#)

-- Rika Takahashi

## Calendar

### Upcoming meetings, conferences, workshops

[Lepton-Photon 2007](#)

Daegu, Korea  
13-18 August 2007

[CHEP 07 - International Conference on Computing in High Energy and Nuclear Physics](#)

Victoria, Canada  
2-7 September 2007

[VII International workshop on Problems of Charged Particle](#)

## Feature Story

### High grades for HiGrade



The main objective of the proposal is to create 30 cavities to demonstrate the high gradient.

It's the age of electronic mail, but in the last weeks Eckhard Elsen from DESY took several trips per day to his snail mail in-tray down the corridor because he was waiting for an important letter. Then finally a letter and an email arrived from Brussels saying that contract negotiations for a six-lab proposal managed by Elsen will start soon. ILC-HiGrade, or "International Linear Collider and High Gradient Superconducting RF-Cavities" is a proposal for the EU's Seventh Framework Programme (FP7), which is asked to prepare for contract negotiations with a funding sum of up to five million Euros.

[Read more...](#)

-- Barbara Warmbein

## In the News

From *Daily Herald*  
31 July 2007

### Getting people to understand, support Fermilab's effort

A quest to bring a multibillion-dollar high-energy physics lab to Batavia could pump millions of dollars into the local and state economy as well as pave the way for new manufacturing and technology jobs across the country.

[Read more...](#)

From *Beacon News*  
28 July 2007

### 'What's it going to do to my house'

The Task Force is a group of 24 Fox Valley residents who have been asked to help start a dialogue between the lab and the communities surrounding it about the ILC, a proposed \$8 billion, 20-mile-long particle acceleration device that the lab hopes will be built some 500 feet under its Batavia home.

[Read more...](#)

## Director's Corner

### 100<sup>th</sup> issue of ILC NewsLine



Big cheers for ILC NewsLine

The Global Design Effort was created by the International Linear Collider Steering Committee (ILCSC) under an MoU, which was initially signed by eleven countries. This MoU created my job, established an agreement and mandate to form and oversee the GDE, and was supposed to last until the completion of the reference design. We will have formally met these milestones on 15 August, the day we deliver the final version of the ILC Reference Design Report to the ILCSC and ICFA. Along the way, we completed several major milestones: I was [appointed](#) to Director in March 2005, the GDE met for the first time at [Snowmass](#) in August 2005, we completed and documented a Baseline Configuration Document in December 2005, and we will have completed and submitted a four-volume set representing the reference design, including the physics and detectors, at the ILCSC meeting in Korea in two weeks. Today, we are achieving another impressive milestone. With this issue of ILC NewsLine, we have published exactly 100 issues!

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

## Image of the Week

[Accelerators: Electron-positron](#)

[Colliders](#)

JINR-BINP, Alushta (Crimea, Ukraine)  
2-8 September 2007

[TWEPP 2007](#)

Prague, Czech Republic  
3-7 Sept 2007

[IEEE EUROCON 2007](#)

Warsaw, Poland  
9-12 Sept 2007

[12th International Workshop on Polarized Sources and Targets \(PST 2007\)](#)

Brookhaven National Laboratory  
10-14 September 2007

[ILC Positron Source Collaboration Meeting](#)

Argonne National Laboratory  
17-19 September 2007

[Workshop on ILC Interaction Region Engineering Design](#)

SLAC  
17-21 September 2007

**Upcoming schools**

[2007 SLAC Summer Institute](#)

Stanford Linear Accelerator Center  
30 July - 10 August 2007

[Second International Accelerator School for Linear Colliders](#)

Ettore Majorana Center, Erice (Sicily), Italy  
1-10 October 2007



= Collaboration-wide Meetings

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

From *P.M.Magazin*

August 2007

**Das Wunder von CERN**

(subscription required)

Am Genfer See startet das teuerste Experiment aller Zeiten: Physiker des europäischen

Kernforschungszentrums CERN wollen den Urknall 'nachbauen'.

[Read more...](#)

From *symmetry magazine*

June/July 2007

**Industry eyes the next big collider**

Technology developed for the International Linear Collider could help make nuclear waste safer, cargo inspection easier, and drug design more effective.

[Read more...](#)

**Humour and Science :**

*What is the relationship between string theory and the Simpsons cartoon?*

*Find out in the three following news.*

From *Scientific American blog*

30 July 2007

**How a fake word from The Simpsons ended up in a perfectly cromulent string theory paper**

[Read more...](#)

From *Nature*

25 July 2007

**In this house we obey the laws of thermodynamics**

[Read more...](#)

From *Nature*

25 July 2007

**Science in comedy: Mmm... pi**

[Read more...](#)



Input coupler connected to a cavity (baseline design) at STF cryomodule A. (Photo KEK)

**Announcements**

**arXiv preprints**

[707.3999](#)

26 Jul 2007

Quintessence, inflation and baryogenesis from a single pseudo-Nambu-Goldstone boson

[707.3723](#)

25 July 2007

Scenarios for ILC in 2010

**EUROTeV Reports**

[2007-019](#)

Merlin-based Start-to-End Simulations of Luminosity Stability for the ILC

[2007-040](#)

Incoherent Pair Background Processes with Full Polarizations at the ILC

[2007-041](#)

Simulation of ILC Feedback BPM Signals in a Strong Electromagnetic Background Environment

[2007-42](#)

Material Damage Test for ILC Collimators