

Around the World

What can the ILC do to get students back to science? *A conversation with economics professor and author Kazuo Nishimura*

"Less than 50 percent." This is the shocking data that Kazuo Nishimura, the head of the Economic Research Institute at Kyoto University, one of the well-respected educational institutes in Japan, reported in his book *University students who cannot calculate fraction numbers*. Nishimura believes that the ILC could be one of the remedies to fix the world-wide epidemic of students moving away from science. *ILC NewsLine* recently had the opportunity to discuss this growing trend with the economics professor.



Kazuo Nishimura

[Read more...](#)

-- Nobuko Kobayashi and Rika Takahashi

Calendar

Upcoming meetings, conferences, workshops

[CALICE Collaboration Meeting](#)

Kobe University, Kobe, Japan
10-12 May 2007

[Annual WILGA Conference](#)

Warsaw University of Technology
Resort, Poland
21-27 May 2007

[POSIPOL 2007 Workshop](#)

LAL-Orsay, France
23-25 May 2007

 [LCWS 2007](#)

Hamburg, Germany
30 May - 3 June 2007

Feature Story

Annual ILC software workshop reviews whole chain of data analysis



Group photo of the ILC Software Workshop, in front of LAL entrance

Even the best detector will be useless without clever reconstruction algorithms and software. On 2-4 May 2007, the [ILC Software Workshop](#) was held at LAL, Orsay (France). The whole chain of data processing was reviewed there: software framework and tools, algorithms and physics results. At the end of the workshop, DESY physicist Ties Behnke summarised that significant progress has been achieved over the past year and important performance milestones are close to being reached, even though the community is still small. Cambridge physicist Mark Thomson, finished his contribution declaring he was now convinced that Particle Flow Algorithm (PFA) can meet the ILC performance goals at 500 GeV and 1 TeV.

[Read more...](#)

Workshop links : [Website](#) - [Talks](#) - [Photos](#)

-- Perrine Royole-Degieus

In the News

Director's Corner

DOE and NSF Review of the ILC-Americas Programme



Hasan Padamsee presented the latest ILC Americas cavity results, including a report on a reentrant shape cavity that is now at Cornell University.

The second review of the US R&D programme for the International Linear Collider (ILC) by the Department of Energy (DOE) and the National Science Foundation (NSF) was held at Fermilab from 30 April to 2 May 2007. This meeting served as DOE and NSF's primary peer review of the US portion of ILC R&D activities. The goal of the review was to evaluate the achievements and future planning of the US ILC programme, and those activities needed to position the US as a possible host. Items addressed included Americas Regional Team (ART) organisation and management of the programme, the FY2006 R&D programme accomplishments, the R&D plan, milestones and resource needs for FY2007 and beyond, and plans for US activities relating to development of test infrastructure and industrial partnerships.

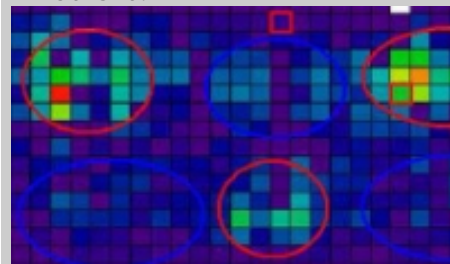
[Read more...](#)

-- Gerry Dugan

Director's Corner Archive

Image of the Week

What is it?



Can you identify what is featured in the above image? Write [ILC NewsLine](#) and take your best guess! We will feature the first right answer we receive in next week's issue.



ILC 2007

Hamburg, Germany
30 May - 2 June 2007



= Collaboration-wide
Meetings

[GDE Meetings Calendar](#)

From *SLAC Today*
8 May 2007

SLAC and CERN Collaborate in Testing a New Accelerator

Parts of the Compact Linear Collider (CLIC)-CERN's experimental project to accelerate electrons in a unique and powerful way-are currently being tested at SLAC.

[Read more...](#)

From *SLAC Today*
7 May 2007

Stopping Stray Electrons in Their Tracks

...Collimators are pieces of metal fitted inside a beam pipe, allowing the focused core of the beam through while blocking stray electrons (or positrons). The job of the International Linear Collider (ILC) group is to develop and test collimators that effectively deal with the nonconformists without disrupting the rest of the beam.

[Read more...](#)

From *FYI: AIP Bulletin of Science Policy News*
4 May 2007

Broad Support for FY 2008 DOE Science Request

The American Institute of Physics, American Physical Society, Optical Society of America, and 54 other corporations, associations, and academic institutions have endorsed a statement supporting the Administration's FY 2008 request for the DOE Office of Science. Under this request, funding would increase from the current budget of \$3.8 billion to \$4.4 billion.

[Read more...](#)

From *symmetry magazine*
April 2007

A Quest for Balance in Canada

Canadian subatomic physics has a lot going for it: sparkling new hardware, an influx of bright young minds, and key roles in international projects. But only by doubling its operating budget can it live up to that potential, a new report suggests.

[Read more...](#)

Announcements

Announcing ALCPG07

ALCPG07 is the next in a continuing series of North American regional meetings on the physics, detector and accelerator issues of the future International Linear Collider and will be held at Fermilab on 22-26 October. Key objectives for this meeting will include presentation and discussion on progress toward the ILC Engineering Design Report (EDR), as well as physics studies, detector R&D and integrated detector design efforts. In parallel with the ALCPG07 meeting, the World Wide Study (WWS) will review the status of vertex detector R&D of the detector concepts. (This conference is pending DOE approval.) More information and a web site will be available soon.

arXiv preprints

[705.1089](#)

8 May 2007

Probing Higgs-sector CP Violation at a Photon Collider

[705.0554](#)

4 May 2007

Fermionic Effective Operators and Higgs Production at a Linear Collider

[705.0431](#)

3 May 2007

Phenomenology of the nMSSM from colliders to cosmology

EUDET Report

[2007-02](#)

Detectors for a Linear Collider

ILC Notes

[2007-017](#)

Proposal to modify the polarimeter chicane in the ILC 14 mrad extraction line

[2007-013](#)

Start-to-end beam optics development and multi-particle tracking for the ILC undulator-based positron source

[2007-012](#)

Depolarization Studies in the International Linear Collider

From *symmetry magazine*

April 2007

**Commentary: Nigel Lockyer
TRIUMF in Canada**

Canada, affectionately known to Americans as the "Great White North," boasts the world's largest reserve of fresh water and the biggest oil reserves outside the Middle East. It's the largest trading partner of the United States; and when it comes to science, it's destined to become the main regional partner of the United States, as well.

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