

## Research Director's Report

*ILC NewsLine presents a new column from the Research Director Sakue Yamada.*

### A novel challenge



Sakue Yamada

The invitation to become the newly created research director for the International Linear Collider detector design was a surprise. I have always been aware that

an electron positron collider is a powerful tool for particle physics. I started my career in high energy physics in this field, and I enjoyed many exciting years. I also participated in various discussions about a future linear collider project. But that was a long time ago. In recent years, I watched from the sidelines and followed the international efforts organised to design a linear collider under the leadership of the Global Design Effort. After discussions with the ILC Steering Committee and several key physicists, I learned how far things have developed and why they introduced a Research Director.

[Read more...](#)

-- Sakue Yamada

## Calendar

### Upcoming meetings, conferences, workshops

#### [FCAL Collaboration Meeting 2007](#)

LAL, Orsay (France)  
5-6 October 2007

#### [EUNET Annual Meeting](#)

Ecole Polytechnique, Paris, France  
8-10 October 2007

#### [CLIC07](#)

CERN  
16-18 October 2007



[ALCPG 2007](#)

Fermilab  
22-26 October 2007

## Around the World

### Getting to know you - Research Director Sakue Yamada



Yamada is a flutist and used to play Bach sonatas with Albrecht Wagner and Dieter Haidt during his time at DESY.

"My direct work with Sakue goes back to the early 80s. I was a PhD student at the PETRA electron-positron storage ring at DESY," says Karlheinz Meier, Professor of the University of Heidelberg. He is also a member of the International Linear Collider Steering Committee, and he chaired the sub-committee to nominate the newly appointed Research Director Sakue Yamada.

[Read more...](#)

-- Rika Takahashi

## Feature Story

### Sakue Yamada to lead International Linear Collider detector design

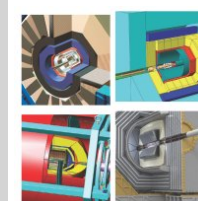
Tokyo, Japan -- The International Linear Collider Steering Committee (ILCSC), a sub-panel of the International Committee for Future Accelerators (ICFA), has appointed Sakue Yamada, Professor Emeritus of University of Tokyo, to become the research director for the International Linear Collider, a proposed future particle accelerator.

Yamada will report to the ILCSC and will be responsible for the experimental programme of the ILC. An international endeavour, the ILC published a Reference Design Report in August 2007 and now enters an engineering design phase that will last through 2010. Yamada's appointment will last through this engineering phase, at which time the ILC will be ready for formal

## Director's Corner

### New detector leadership for the ILC

We are dedicating this special issue of *ILC NewsLine* to the appointment of the new ILC Research Director, Sakue Yamada of KEK Laboratory and the University of Tokyo. The International Linear Collider



Four detector concepts are presented in the ILC Reference Design Report

Steering Committee (ILCSC) has created this important position to provide guidance for the global detector R&D activities and coordination of the procedures for developing engineering designs for two complementary detectors. On behalf of the GDE, I enthusiastically welcome Sakue to our joint efforts. We anticipate working very closely together to move the ILC accelerator engineering design and detector efforts forward in concert.

[Read more...](#)

-- Barry Barish

## Director's Corner Archive

## Announcements

### ILC NewsLine survey

If you subscribe to this newsletter, you should have recently received a survey. We greatly appreciate the time you will take to fill it out. We hope that your feedback will help us provide a better publication for you! If you didn't receive it or have any questions, please [send us an email](#).

### Register for ALCPG07

It's not too late to register for the joint meeting of the American Linear Collider Physics Group and ILC Global Design Effort that will take place at Fermilab on 22-26 October. A block of rooms has been reserved at a favourable price for meeting attendees at the Pheasant Run Resort in St. Charles, IL.

[More information](#)

[CARE07 Annual Meeting](#)

CERN  
29-31 October 2007

[CCAST ILC Accelerator Workshop and  
1st Asia ILC R&D Seminar](#)

IHEP, Beijing, China  
5-7 November 2007

**Upcoming schools**

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

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

[US Particle Accelerator School](#)

UC at Santa Cruz  
14-25 January 2007



**= Collaboration-wide  
Meetings**

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

presentation to international funding agencies and other governing bodies.

[Read more...](#)

**In the News**

From *The Onion*  
28 September 2007

**Scientists Ask Congress To Fund  
\$50 Billion Science Thing**

WASHINGTON, DC—Top physicists from several major American universities appeared before a Congressional committee Monday to request \$50 billion for a science thing that would further U.S. advancement science-wise and broaden human knowing.

[Read more...](#)

From *MSNBC*  
26 September 2007

**Building the future of physics**

...That mega-machine, known as the International Linear Collider, won't become a reality until well after 2012. But lots of experts are already working on the ILC's design - and how to pay for it - because it takes years to go from one generation of supercollider to the next.

[Read more...](#)

**Questions wanted for dueling pianos**

Submit your [questions](#) now for the "Dueling Pianos" session scheduled for the evening of 23 October during the ALCPG07 workshop at Fermilab.  
[More information](#)

**arXiv preprints**

[0710.0361](#)

1 Oct 2007  
Monolithic Pixels R&D at LBNL

[0710.0245](#)

1 Oct 2007  
On-shell renormalisation constants including two different nonzero masses

[0710.0033](#)

29 Sep 2007  
Particle Tracking with a Thin Pixel Telescope

[0709.4638](#)

28 Sep 2007  
Multiparticle SUSY simulations at LHC & ILC: Off-Shell effects, interferences and radiative corrections

[0709.4535](#)

28 Sep 2007  
Prospects of a Search for a New Massless Neutral Gauge Boson at the ILC

[0709.4388](#)

27 Sep 2007  
One-loop Electroweak and QCD corrections to vector boson scattering into top pairs and application to ILC

[0709.4203](#)

26 Sep 2007  
Profile of Two-Higgs-Doublet-Model Parameter Space

[0709.3985](#)

25 Sep 2007  
Measuring Supersymmetry

[709.3886](#)

25 Sep 2007  
Loops for ILC