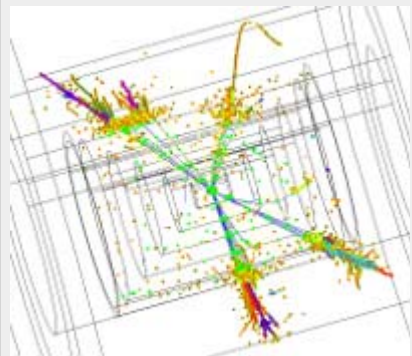


## Research Director's Report

### Detector activities reviewed by the PAC



The Project Advisory Committee also reviews the detector concepts. Image: Norman Graf.

On 9 and 10 May, the second review meeting of the Project Advisory Committee (PAC) of the ILC was held in Vancouver. Its first meeting was last year in October when we were about to complete the entire framework of the detector activity. At that time PAC endorsed the designed management structure and the way we intended to proceed, which gave us confidence to start most of the common task groups during the LCWS08 meeting in Chicago in November.

[Read more...](#)

-- Sakue Yamada

[Research Director's Report Archive](#)

## Calendar

### Upcoming meetings, conferences, workshops

[Tesla Technology Collaboration Meeting \(TTC09\)](#)

LAL, Orsay, France  
16-19 June 2009

[ILC-CLIC LET Beam Dynamics Workshop at CERN](#)

CERN, Switzerland  
23-25 June 2009

## Around the World

### UC Davis spearheads interconnect technology development for SiD detector



UC Davis physics group gathers next to the bump bonding equipment. [from left to right, Mike Irving (technician), Mike Woods (graduate student), Dick Lander (professor), Mani Tripathi (professor), Britt Holbrook (engineer), and Tiffany Landry (development technician)]

Nearly every one of the myriad complex components of the International Linear Collider pushes the limits of today's technology, and for the ILC to succeed, each one of them has to work as designed. Researchers at the University of California, Davis (US) are concentrating on the interconnects – the connections between arrays of electronic circuit elements – in the ILC's proposed Silicon Detector Design Study (SiD) concept detector. The group is applying new technologies and advanced materials to improve the performance, efficiency, ease of assembly and robustness of these critical detector components.

[Read more...](#)

-- Andre Sulluchuco

## In the News

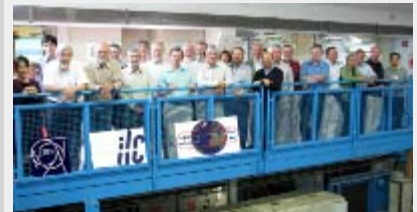
From *Mercury News*  
17 June 2009

### Stanford scientists discover a possible successor to silicon

... However, the material — shiny, reflective and black, grown in special campus furnaces — can only carry

## Director's Corner

### A step at a time



A group photo of the CERN management, ILC Executive Committee and CLIC Steering Committee

Last week we held the first ever joint meeting of the GDE Executive Committee and the CLIC Extended Steering Committee. This meeting at CERN represented another step in bringing the CLIC and ILC efforts closer together. CERN's Director General Rolf Heuer, the CERN Research Director Sergio Bertolucci and the Secretary of the CERN Council Strategy Group, Steiner Stapnes, attended part of the meeting and expressed their support. The meeting itself was constructive and productive in that we agreed on several important new initiatives, including plans to combine future workshops and to begin discussions on developing and articulating a joint strategy towards a linear collider.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

## BlogLine

16 June - *Frank Simon*  
[Phone Meetings: Pain and Gain](#)

12 June - *Frank Simon*  
[Calibrating the Beast](#)

[Follow all Quantum Diaries](#)

## Announcements

**Easier registration for Lepton**

[Polarized Positron for Linear Colliders Workshop \(Posipol 2009\)](#)

IPNL, Lyon, France  
23-26 June 2009

[Mini-Workshop on the CEsrTA Electron Cloud R&D Program for Linear Collider Damping Rings \(CTA09\)](#)

Cornell University, NY, USA  
25-26 June 2009

[FCAL meeting](#)

DESY Zeuthen, Germany  
29-30 June

**Upcoming schools**

[The 2009 Hadron Collider Physics Summer School](#)

CERN  
8-17 June 2009

[Summer School: Exploring the Cosmological Frontiers](#)

Perimeter Institute, Waterloo, Canada  
24 June - 1 July 2009

[International School of Physics "Enrico Fermi" \(SIF\) Radiation and particle detectors](#)

Varenna, Villa Monastero, Italy  
20-25 July

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

small currents so it is not yet applicable. But it could pave the way for a paradigm shift in microchip development.

[Read more...](#)

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From *Chronicle online*

15 June 2009

**Wilson Lab open house to feature accelerator and X-ray demos, and tours for the whole family**

... Visitors will also hear about the CESR test-accelerator program, a modification of CESR that is helping Cornell scientists do feasibility research for the International Linear Collider, a particle accelerator project still in planning stages.

[Read more...](#)

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From *DESY inForm*

June 2009

**Large inspection**

... The results obtained from the tests and the experiences from applications at FLASH will be integrated in the design of the 3.9-GHz system for the European XFEL.

[Read more...](#) (pdf)

**Photon**

The registration procedure for the [Lepton Photon conference](#), to be held in Hamburg, Germany from 17 to 22 August, has changed – simply send an email to [lp09@desy.de](mailto:lp09@desy.de) and request an invitation. Check the [website](#) for more details.

**arXiv preprints**

[0906.2799](#)

New concept for quantification of similarity relates entropy and energy of objects: First and Second Law entangled, equivalence of temperature and time proposed

[0906.2680](#)

Searching for Single Production of Charged Heavy Leptons via Anomalous Interactions at Future Linear Colliders

**ILC Internal Document**

[2009-036](#)

ILC Global Design Effort - Project Managers' Report - May 2009