

Feature Story

XFEL coupler industrialisation at LAL



LAL engineers, working on coupler prototypes.

During an [XFEL](#) (European X-ray laser facility) project meeting, on 2 July at DESY, the main European contributors discussed in-kind contributions for the project. The meeting attendees agreed that France would play a large role in the production of power couplers for the XFEL. The [LAL coupler group](#), at Orsay, will therefore be responsible for following the coupler production, their commissioning and delivery to DESY. To accomplish these tasks, the lab is now pursuing a big effort focused on coupler industrialisation. "This effort will be an exemplary exercise for ILC couplers production," said Alessandro Variola, head of the LAL group.

[Read more...](#)

-- Perrine Royole-Degieux

See also the [last presentation on coupler industrialisation at LCWS07](#) (by Serge Prat)

Calendar

Around the World

Progress from Korea



ICFA chair Albrecht Wagner making a toast at the Lepton Photon 2007 banquet.

As a virtual collaboration, members of the ILC community took advantage of last week's [Lepton Photon](#) conference and held parallel meetings for the GDE Executive Committee, ILC Steering Committee (ILCSC) and the International Committee for Future Accelerators (ICFA).

"We are all impressed that such good progress has been made," said ILCSC Chair Shin-Ichi Kurokawa in response to receiving the completed Reference Design Report from Barry Barish on 15 August. "We appreciate the comprehensive amount of work put into this final RDR. The 'troika' project managers also briefed us about the three regions moving positively toward coherent accelerator R&D programmes worldwide. In addition, we will soon be able to announce the name of a new research director who will organise the experiments." Kurokawa explained that it is the ILCSC's role to oversee ILC R&D activities as a whole, including the accelerator and experiments. Extending the role of the Machine Advisory Committee to cover the detector R&D activities will be discussed under the next ILCSC chair, Enzo Iarocci from Frascati, who will take over at the next meeting in October.

[Read more...](#)

-- Youhei Morita

In the News

Director's Corner

Congratulations Tor!



Tor Raubenheimer, new SLAC Assistant Director, and his wife Jen celebrating more than the SLAC promotion.

For more than two decades now, SLAC has been pursuing R&D toward a TeV-scale linear collider. In the GDE, SLAC accelerator scientists played leading roles in almost all aspects of the ILC's design effort that produced our Reference Design Report. As we move into the future, we fully expect SLAC to continue its crucial central role in our project. This week [SLAC announced](#) a restructuring of their accelerator development efforts by bringing their ILC, Large Hadron Collider R&D and High Luminosity R&D groups together into a restructured Accelerator Research Division, and named Tor Raubenheimer as the new Assistant Director. A natural question to pose is what impact these changes will have on SLAC's ILC design efforts and on Tor's central role in the GDE.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

Image of the Week

Upcoming meetings, conferences, workshops

[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 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

[CALICE Collaboration meeting](#)

Prague, Czech Republic
11-13 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

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

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

From *SLAC Today*
21 August 2007

Tor Raubenheimer Becomes Assistant Director for Accelerator R&D; Division Restructured

Tor Raubenheimer, the head of the International Linear Collider (ILC) group at SLAC, has been named the new Assistant Director for SLAC's Accelerator Research Division...
[Read more...](#)

From *Fermilab Today*
21 August 2007

Director's Corner: Making hay while the sun shines

...At the ILCSC meeting Barry Barish, the Director of the Global Design Effort, made the official presentation of the ILC Reference Design Report to the chair of the ILCSC, Professor Shin-Ichi Kurokawa...
[Read more...](#)

From *Live Science*
21 August 2007

Greatest Mysteries: Is There a Theory of Everything?

Ancient philosophers thought wind, water, fire and earth were the most basic elements of the cosmos, but the study of the small has since grown up...
[Read more...](#)

From *Chicago Tribune*
20 August 2007

'X' marks Fermilab future

Fermilab is floating plans for a new \$500 million particle accelerator in hopes of paving the way for a much larger project and shoring up the lab's fragile position in the world of high-energy physics...
[Read more...](#) (registration required)

From *Kane County Chronicle*
14 August 2007

Fermilab's future a black hole?

...Fermilab officials have examined the possibility of building an International Linear Collider, or ILC, as part of the lab's future, Jackson said...
[Read more...](#)

Physics Meets Fashion



In addition to hearing about the latest physics results at the Lepton Photon Conference, held last week in Daegu, Korea, the meeting organisers also made sure that the attendees learned something about their part of the country. Daegu, for example, is known as the city of textile, making it appropriate to conclude the conference banquet with a Korean Traditional Costume Fashion Show.
[Read more...](#)

-- Youhei Morita

Announcements

arXiv preprints

[0708.2622](#)

20 Aug 2007

The LCFIVertex Package: vertex detector-based Reconstruction at the ILC

[0708.2016](#)

15 Aug 2007

Higgs Particle: The Origin of Mass

[0708.1463](#)

10 Aug 2007

Light scalar at LHC: the Higgs or the dilaton?

[0708.1344](#)

9 Aug 2007

Survey of Lepton Number Violation Via Effective Operators

[0708.1225](#)

9 Aug 2007

Single production of heavy top quark from the three-site Higgsless model

[0708.1195](#)

9 Aug 2007

Associated production of graviton with $e^+ e^-$ pair via photon-photon collisions at a linear collider

[0708.0867](#)

7 Aug 2007

A Gauge Model of Neutrino and New Physics Beyond Standard Model



= Collaboration-wide Meetings

[GDE Meetings calendar](#)

[View complete ILC calendar](#)