

Around the World

Federation beyond policy difference



Speech from Masatoshi Koshiba at the meeting. from left: Hatoyama, Yosano, Saito, Kawamura, Koshiba, Naito, Suzuki(KEK), Nishioka(MHI).

A day before Japanese cabinet reshuffling, Diet members and other senior government officials took time out from their busy schedule to attend the inaugural meeting of newly formed "Federation of Diet members to promote the realisation of ILC" with a group with representatives from all political parties in Japan: Liberal Democratic party (LDP), Democratic party of Japan (DPJ), New Komeito (NK), Social Democratic Party (SDP), The People's New Party (PNP), and Japanese Communist Party (JCP). The federation's letter of intent describes its aim the promotion of the ILC project recognising that particle physics, as a research field with no ethnical, national or ideological borders, is the essential part of the nation's basic science research strategy.
[Read more...](#)

-- Rika Takahashi

Calendar

Upcoming meetings, conferences, workshops

[CALICE Collaboration Meeting](#)
Manchester, UK
8-10 September 2008

[ILD meeting](#)
Cambridge, UK
11-13 September 2008

[Conference on the Design/Optimization of the Silicon Detector at the International Linear Collider](#)
University of Colorado at Boulder, Colorado, USA
17-19 September 2008

Around the World

LCFOA goes to Washington



Attendees at the LCFOA Capitol Hill industrialisation briefing listening to Marc Ross describing the ILC TD phase plan

The Linear Collider Forum of America (LCFOA) held an ILC industrialisation meeting and briefing for Congressional staffers on Capitol Hill on 29 July. The briefing was attended by 46 persons from universities, industry, and laboratories and Congressional staff. About half of the attendees were Congressional staffers. The objective of the briefing was to emphasise the importance of a strong industrialisation component within the Americas Regional Team's Technical Design effort, describe other potential benefits of the ILC technologies for industry and the country, and to recommend the economic and educational benefits of siting the ILC at a U.S. site during the Technical Design phase timeframe to the U.S. audience.
[Read more...](#)

-- Ken Olsen, LCFOA president

In the News

From *CERN*
7 August 2008
CERN announces start-up date for LHC
CERN has today announced that the first attempt to circulate a beam in the Large Hadron Collider (LHC) will be made on 10 September.
[Read more...](#)

Director's Corner

Greetings to Kaoru and thanks to Mitsuaki

I am sorry to announce today that Mitsuaki Nozaki of KEK is stepping down as our Regional Director for Asia, while at the same time I am pleased to announce the appointment of Kaoru Yokoya, also of KEK, as our new Regional Director. The



Kaoru Yokoya, new ILC-GDE Regional Director for Asia

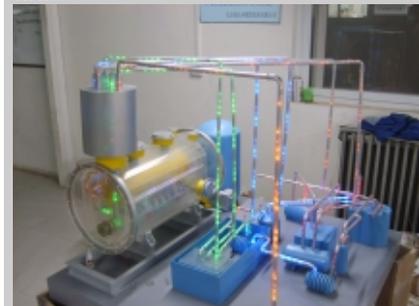
organisational structure of the GDE as mandated by the ILCSC and ICFA is based on rough parity in a partnership between our three regions: Asia, the Americas and Europe. Each region is represented by a Regional Director, who is part of the global GDE directorate, and also serves as the link between the GDE and regional partners.
[Read more...](#)

-- Barry Barish

Director's Corner Archive

Image of the Week

IHEP invests about 1.5 million Euros to build SCRF accelerating unit



China's Institute for High-Energy Physics IHEP has just approved a three-year programme worth about 1.5 million Euros to build a complete accelerating unit, including a nine-cell 1.3-GHz superconducting cavity, high power coupler, HOM couplers, tuner, cryostat, low-level rf, and a 1.3-GHz high power source. IHEP started R&D on 1.3-GHz low-loss type single-cell

[Workshop of the Collaboration on Forward Calorimetry at ILC](#)

Belgrade, Serbia
22-24 September 2008

Upcoming school

[Third International Accelerator School for Linear Colliders \(2008 LC School\)](#)

Oak Brook, Illinois, USA
19-29 October 2008



= Collaboration-wide Meetings

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

From *interactions*

5 August 2008

Belle Discovers Three New Mesons

An international team of researchers at the High Energy Accelerator Research organization (KEK) in Tsukuba, Japan, the "Belle collaboration", has announced the discovery of three new exotic subatomic particles, labeled as Z_{-1} , Z_{-2} and Y_b .

[Read more...](#)

From *interactions*

4 August 2008

Tevatron Experiments Double-Team Higgs Boson

Batavia, Ill.--Scientists from the CDF and DZero collaborations at the U.S. Department of Energy's Fermilab have combined Tevatron data from the two experiments to advance the quest for the long-sought Higgs boson.

[Read more...](#)

From *The Economist*

31 July 2008

Known and unknown unknowns

The world's largest machine is about to open for business. It will, however, only scratch the surface of the universe.

[Read more...](#)

superconducting cavities in 2005 using Chinese Ning Xia niobium, both fine and large grain, in collaboration with the ILC group of KEK. In the beginning of 2008, two Ning Xia large-grain 1.3-GHz single-cell cavities fabricated and surface treated at IHEP without electropolishing reached 40MV/m at Saito's SC laboratory at KEK. In parallel, IHEP is engaged to fabricate cryostats for XFEL at DESY. At the same time, this programme includes an upgrade of the IHEP superconducting laboratory, meaning the accelerating unit can be built and tested at IHEP. "The philosophy of this programme is to make use of the unit as a horizontal test stand for nine-cell cavities in the future, like they exist in Europe and North America," says Jie Gao, programme leader.

Announcements

Sorry JLab!

Several attentive readers have pointed out that the Cornell's Energy Recovery Linac (see [last week's issue](#)) is not the first one - in fact the free-electron laser at Jefferson Lab is the first operational energy recovered linac, with first lasing reported in 1998 and first lasing with energy recovery in 1999. The laser continues to operate and be extended. Thanks to everyone who pointed this out and please excuse the mistake. Find out more about JLab's ERL here: www.jlab.org/highlights/srferls.html

EUROTeV Reports

[2008-034](#)

The 2mrad Crossing Angle Scheme for the International Linear Collider

Federation beyond policy difference

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Fifteen Diet members are listed as founders: Akihiro Ohata (DPJ), Koji Omi (LDP), Ikuo Kamei (PNP), Takeo Kawamura (LDP), Tetsuo Saito (NK), Yoshiaki Takagi (DPJ), Norihisa Tamura (LDP), Masamitsu Naito (DPJ), Yoshihiko Noda (DPJ), Yukio Hatoyama (DPJ), Fumihiko Himori (SDP), Kosuke Hori (LDP), Eisuke Mori (LDP), Kaoru Yosano (LDP), and Hidekatsu Yoshii (JCP).

The meeting was chaired by Tamura, who has played an active role in the federation by LDP. Hatoyama, former Head of DPJ, said "I heard that particles collide with each other and create something new in the physics world. That would be same in the human world," insinuating at the difference in policy from LDP, the leading party, "but we should get together in Japan to promote this project." Saito of NK described the ILC as "essential for Japan" to give a superior opportunity to contribute to the global prosperity. Yoshii from JCP thinks that building the ILC would be beyond national benefit: "We can call it human benefit. Now, politicians need to collaborate to realise it." At the meeting, Yosano, the former chair of the federation, was elected as the Chair of new federation. "We would face difficulties on the way to realise the ILC with Japan being in a financially pressed situation, but we will take each step to overcome those difficulties uniting our strength," he said in a gesture of his determination. Naito, who studied particle physics at Tokyo University with Hitoshi Murayama, Director General of the Institute for the Physics and Mathematics of the Universe (IPMU), and who recently visited KEK, said that he is planning to visit DESY and CERN. Kawamura concluded his speech with his belief that research into the largest and the smallest things are now being unified and should be coordinated, like he stated at the Sendai GDE meeting.

The day after the inaugural meeting, three of the Federation founding members were appointed important positions. Yosano became the economic and fiscal policy minister, after holding various key posts, including chief Cabinet secretary, trade minister, education minister and the Liberal Democratic Party's policy chief. Saito was appointed new Environment Minister. He is a former engineer with a doctoral degree, who did research in space development. Hori, former Minister of Education, gained an LDP leadership post as Policy Research Council chief.

The members of the federation are planning to have a visit to J-PARC in Tokai village, and KEK. Japan's contribution can be expected to go one step further.

-- Rika Takahashi



Speech from Masatoshi Koshiba at the meeting. from left: Hatoyama, Yosano, Saito, Kawamura, Koshiba, Naito, Suzuki(KEK), Nishioka(MHI).



Hori(left) and Omi(right) attending the meeting.



Many people attended the meeting



from left: Tamura, Sasaki(Gakushuin Univ.), Yoshii, and Noda.

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Speakers at the briefing included Ken Olsen, president of the LCFOA, Bob Kephart from Fermilab, Mike Harrison, ILC-GDE Regional Director for the Americas, Paul Grannis from Stony Brook University and Marc Ross, GDE project Manager and member of the Americas Regional Team. Four members of the LCFOA Board of Directors, Parsons Communications Power Industries, Meyer Tool and Advanced Energy Systems made statements on the potential positive impact the ILC and its technologies will have on their future business scenarios. The talks are posted on the LCFOA web site www.lcfoa.org.

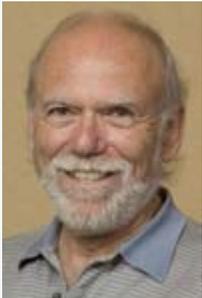


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-- Ken Olsen, LCFOA president

Director's Corner

7 August 2008



Barry Barish

Greetings to Kaoru and thanks to Mitsuaki

I am sorry to announce today that Mitsuaki Nozaki of KEK is stepping down as our Regional Director for Asia, while at the same time I am pleased to announce the appointment of Kaoru Yokoya, also of KEK, as our new Regional Director. The organisational structure of the GDE as mandated by the ILCSC and ICFA is based on rough parity in a partnership between our three regions: Asia, the Americas and Europe. Each region is represented by a Regional Director, who is part of the global GDE directorate, and also serves as the link between the GDE and regional partners.

The role of Regional Director is difficult to define because its function is so very different in the three regions. In Asia, the Regional Director is responsible for nurturing and helping make sure the large Japanese effort is well integrated into the global R&D efforts and priorities. The second big responsibility and challenge is to help develop collaborations and effective programmes in an emerging and broader Asian collaboration involving China, India and Korea.

Kaoru Yokoya is especially well qualified to carry out the duties of the Regional Director for Asia. An accelerator physicist who has been involved in the linear collider effort for many years, he is very knowledgeable about ILC design and technical details, as well as resource issues. Kaoru has served on the ILC Executive Committee from its inception, and his steady and insightful contributions were crucial to our completing a successful Reference Design last year. I expect he will be just as important in the execution of the Technical Design Phase, and I am also hopeful he will be able to stimulate the growth and integration of the broader Asian ILC programme.

Mitsuaki Nozaki of KEK served as our Regional Director since March 2006. Mitsuaki has been doing double duty by also serving as a deputy director for the Institute of Particle and Nuclear Science (IPNS) at KEK during that period. Recently, his responsibilities as deputy director at KEK have significantly increased, which is the reason why he must now step down as Regional Director.

During his tenure as Regional Director, Mitsuaki has also served as a Japanese representative to the Funding Agencies for Large Colliders (FALC) meetings and to the FALC Resource Group (FALC RG). In that capacity, he helped formulate terms of reference for FALC that defines the *raison d'être* of that important informal organisation. Perhaps even more significantly for the GDE, he has worked with the FALC RG to implement our Common Fund that is so important to the functioning of the GDE.

I want to thank Mitsuaki for his work as Regional Director, and wish him the best in his new responsibilities. He assures me he is committed to the ILC and will continue to further the project and energetically work for us in his new capacity. Thank you, Mitsuaki.

As we have entered into the Technical Design Phase, we have instituted a more traditional task-oriented project management structure within the GDE. The new phase involves more global collaboration, coordination and prioritising, which presents many challenges, including making best use of regional and laboratory resources. I am confident that Kaoru will be very effective at developing and integrating the Asian programme into our increasingly task-oriented program. Welcome to this new job, Kaoru.

Stop press: I have just received very good news from Jie Gao at IHEP, China, of the approval of ~1.5 million Euros for ILC-related SCRF developments in China (see the Image of the Week in this issue). It is great to see that SCRF expertise for the ILC is really spreading around the world.

-- Barry Barish



Kaoru Yokoya, new ILC-GDE Regional Director for Asia



Mitsuaki Nozaki has to step down because of his responsibilities at KEK are getting wider