



# ILC News Vol. 27

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Ichinoseki Linear Collider Bulletin

English Translation

## ILC Commentary Seminar

Around 150 people attended an ILC seminar held by the Tohoku ILC Planning Office on September 24th at the Ichinoseki Health Center. Jun Sasaki, (director general at the Iwate Prefectural Government and serves as the head of Regional Affairs at the Tohoku ILC Planning Office) and Shinya Narita (professor of Science and Engineering at Iwate University, and the head of PR for the Tohoku ILC Planning Office) discussed the latest news on the ILC and matters of public interest.

Here are some of the questions answered at the seminar.

Please visit <http://www.tohoku-ilc.jp/index.php/topics/kaitou2/> (in Japanese) for the full Q&A session.

Furthermore, if you have questions regarding the ILC, there is a comprehensive "ILC Q&A" on the Tohoku ILC Promotion Council website on <http://www.tohoku-ilc.jp/index.php/topics/qanda/> (in Japanese)

### **Please clarify where the ILC will be built**

It's not clear at this stage. After Japan announces their invitation to host the ILC, international research organizations will deliberate and decide. The world's research organizations analyzed the environment and found that the Kitakami Mountains were the best choice for the ILC's construction. The Tohoku ILC Preparation Office has since gone on to make preparations for the assumed construction sites.

### **Who will run it? Who will build it?**

I believe that a new ILC international research institute will be set up and operated. So far, Japan has never hosted an international project, so there are no familiar models, and there are areas in which it is difficult to understand the process of role sharing, budget, management, construction, etc. It will be a valuable experience for the next generation.

### **How will the facility be used and managed after the experiment is over?**

The current plan for the ILC is for construction to take place for 10 years and research to be conducted for 20 years which would total 30 years. Currently at CERN, the world's largest accelerator facility, research has been running for over 60 years while the facility continues to improve. The next stage of research at the ILC will be built from the thorough discoveries of the Higgs particle. When research is completed, equipment and parts can be reused for other research and the management of facilities will continue according to laws and regulations. Meanwhile, the effective utilization of the facility will continually be planned during and even after operation. Some examples that could be utilized immediately include data storage for each municipality and databanks assisting disaster preparedness.

I am worried that the facility will be used as a high level radioactive waste disposal site after the experiment

Since the specifications and structure of the ILC are completely different to a high level radioactive waste disposal site, it will not become a waste disposal site. In Iwate Prefecture, the prefectural assembly clearly states that it will not accept high-level radioactive waste.

## Pick Up News

### Ichinoseki Science Café 2

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The second Ichinoseki Science Café this year was held on September 22nd at the Ichinoseki Library. Professor Masao Kuriki of Hiroshima University and Yumi Aoki, a third year at KEK gave a lecture on the greatness of the ILC.

### Ichinoseki Science Café 3

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The third Ichinoseki Science Café was held on November 10th at Ichinoseki Library. Professor Sachio Komamiya of Waseda University gave a lecture about why the ILC is necessary and its significance on scientific, economical and societal aspects. The next Ichinoseki Science Café is scheduled for January 26th.

### Special ILC classes at junior high schools

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Throughout October and November, Masakazu Kurata of the High Energy Accelerator Research Organization (KEK) lectured on the ILC and ran cloud chamber experiments at six junior high schools around Ichinoseki.

## ILC-related lectures

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On October 10th, Ichinoseki National Institute of Technology, held a lecture aimed at nurturing people who can play an active role in society when the ILC is realized. Koichi Nishikawa who directs a tunnel construction project from Miyako to Morioka gave a lecture on civil engineering and methods of constructing tunnels.

## News Clippings

### Researchers make statement

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The International Workshop for Linear Colliders (LCWS) was held in Texas, USA on October 24th. Researchers who gathered from around the world announced in a declaration that they support the ILC in Japan.

### German parliamentary member Stefan Kaufmann inspects the candidate site

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German parliamentarian Stefan Kaufmann and researchers of Germany's particle physics facility DESY, visited Ichinoseki and the candidate construction site and exchanged thoughts with the mayor and director general.

### Mr. Abe of the Ichinoseki National Institute of Technology receives award

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Yuki Abe, a second year student at Ichinoseki National Institute of Technology received the Annual Meeting Prize (poster division), which the Particle Accelerator Society of Japan rewards to encourage students and young researchers. This is the first time that a technical college student has won the award. The award-winning experiment was on a mechanism that allows research equipment to be installed at the joint between the experimental equipment and its foundation. Collaborative research was carried out from 2016 by colleagues and local companies.

### The Hokkaido Tohoku Regional Governor's Meeting

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On October 30, the meeting for the governors of Hokkaido and the Tohoku region was held. There, a unanimous resolution calling for realization of the ILC was passed. It was the first time that this meeting passed a resolution concerning ILC's realization. From there, they requested the government to make a decision.

### ILC special exhibit at vacuum technology exhibition

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The Vacuum Exhibition 2018 was held at Pacifico Yokohama for three days from September 5 to 7. During the event, an ILC special exhibition was held and a lecture was presented by Atsuto Suzuki, President of Iwate Prefectural University.

## The Ichinoseki Chamber of Commerce and Industry lectures



15 people attended a lecture held by the Ichinoseki Chamber of Commerce and Industry Senmaya Regional Administration Council on September 14th at the Senmaya Chamber of Commerce and Industry Hall. In addition, the ILC Study Group which was held on November 13th by the Ichinoseki Chamber of Commerce and Industry Daito Regional Administration Council had 26 attendees. Tokiko Onuki of

Tohoku University Campus Design Office lectured on the theme

## The mayor gives speech at Daito High School



On November 13th, students at Daito High School received a lecture from the mayor about the ILC and localization and proposed the question 'Where will you be living in 10 years' time?'

## Bell's Corner



As there were many natural disasters in October, our division felt the need to figure out a way to easily inform those unfamiliar with the district of the evacuation shelters. Utilizing Google MyMaps, we inputted all the evacuation centers along with English descriptions of what kind of disaster each evacuation point is able to accommodate for. We are now working on a simple guide for those who have never experienced an evacuation in Japan before.

## What brought you to Ichinoseki?

### Lily Ang Zuin Ping (Malaysia)

Lily came to Ichinoseki with her husband who moved to Ichinoseki for work. It took her a while to get adjusted to life here but being proactive lead to her to make friends, while learning Japanese has helped her to adjust to having fun in her day-to-day. From October Lily started working at Ichinoseki Ichiba (DMO) and helps with tourism information. She can speak Chinese, Malaysian, English and Japanese. She hopes to promote Ichinoseki and Hiraizumi's charms.