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## News

### Toyohashi Tech holds International Student Exchange in Indonesia from 17 to 23 September 2012

Toyohashi University of Technology held an international student exchange event at Institut Teknologi Bandung (ITB) in Indonesia between September 17 and 23, 2012. Based on a theme of "ITB-TUT Students Collaboration to Solve Community Problems," the event was held as part of TUT's ongoing program to promote international understanding among students and develop a globally-capable workforce by collaborating with overseas institutions to offer students opportunities for international interaction. To that end, the latest program incorporated lectures as well as student-led discussions and presentations. Fifteen TUT students and two technical college students from the local Tokai region were joined by twenty ITB students and three students from nearby Madania High School.

This year's event was tenth time the program was held, and the milestone was marked by special visits to a range of businesses and organizations thanks to the kind cooperation of the Japan External Trade Organization (JETRO) Jakarta Office, the Japan International Cooperation Agency (JICA) Indonesia Office, and numerous Japanese companies established in Indonesia.

On the first day, participants heard about the Indonesian economy and Japanese aid to the country in talks at the JETRO and JICA offices, and toured the Port of Tanjung Priok, which is a beneficiary of Japanese overseas development assistance.

The following day began with themed lectures by ITB faculty, after which participants were divided into groups to debate community issues in Japan and Indonesia as a means of furthering understanding of each other's cultural backgrounds. Those discussions subsequently formed the basis of presentations and lively exchanges of opinion on how engineers can help resolve those issues.

The visits to local Japanese firms were an ideal opportunity to learn about the outlook for Japanese businesses setting up in emerging nations and the problems they encounter.



Lecture at Japan External Trade Organization (JETRO) Jakarta office



Tour of the Port of Tanjung Priok



Group photo

## Toyohashi Tech welcomes students from Northeastern University in China for the Summer School Program

Toyohashi University of Technology hosted 11 students and two faculty from Northeastern University in China as part of Toyohashi Tech's 10 day Summer School Program held between August 22 and 31. The group from NEU, which is one of TUT's university exchange partners, was led by Wang Mei, deputy dean of the NEU School of Materials and Metallurgy. TUT has had an office on NEU premises since January 2006 under the exchange program which seeks to promote lively cooperation on research and education between the institutions. The latest group of NEU students was hosted as part of the exchange partnership.

The Chinese students learned some Japanese, experienced Japanese culture in the form of the tea ceremony and flower arranging, stayed with host families to get a feel for Japanese home life, and even visited Toyota Corporation's car factory, all of which was aimed at deepening our guests' understanding of Japanese society and culture. In addition, the Chinese students were joined by 17 of their TUT counterparts and conducted a group debate in English on topics relevant to engineering such as resources, the environment, automobile, and energy. On the final day, students made presentations, again in English, highlighting the outcomes of the program.

The debates with TUT students and the interaction with the host families provided the NEU students with innumerable opportunities to learn about Japanese society and culture. Expectations are now high that these upstanding young people will further bridge the gap between our two countries and bring us closer together in the future.



Group photo



Group debate



Flow er arranging



Group photo at Toyohashi Tech open campus

## International Cooperation Center for Engineering Education Development (ICCEED) implements JICA group training course

Toyohashi University of Technology (Toyohashi Tech) is located in Aichi prefecture, which is the heart of Japan's automobile manufacturers and related industries. Taking advantage of this location, International Cooperation Center for Engineering Education Development (ICCEED) has designed and implemented JICA group training courses.

ICCEED was established at Toyohashi Tech in April 2001. ICCEED has been cooperating with developing countries to enhance their engineering education since established.

From fiscal year 2007 to 2009, ICCEED conducted a course "Coordinator Training for Tertiary Education - Industry-Government Linkage to Develop Automobile Supporting Industries," aiming to foster human resources for the development of automobile industries in developing countries. On the basis of the experience and the achievements in the antecedent training program, ICCEED started a new JICA group training course called "Coordinator Training for Tertiary Education-Industry-Government (T-I-G) Link to Develop Local Industry Sector" in fiscal year 2010. In those six years, 65 concerned personnel from 19 countries have participated in the course.

The course is designed to accumulate basic knowledge and abilities in order to accelerate T-I-G linkage as coordinators in affiliated organization, institution and countries of participants. This program provides basic knowledge of T-I-G cooperation, technology management, intellectual property rights, and problem identification/solving ability through lectures, workshop, case studies, and company visits. At final stage of the program, participants formulate action plans with every lesson learned from the course to foster T-I-G linkage in their institution, organization and countries which aims to be implemented.

The course is also designed to learn Japanese culture and way of life through home stay program with the support from Toyohashi, Toyokawa, and Tahara international associations.



Participants taking a lecture of Mr. Kashiwara



The lecture "U-I-G Cooperation - Case of University of Moratuwa, Sri Lanka-" through TV conference system



A participant making a presentation of his action plan



Participants with lecturers

## First Meeting of Japanese and Indonesian University Presidents organized by the five national universities in the Tokai region with the participation of more than fifty other universities from both countries

Five national universities from the Tokai region (Toyohashi University of Technology, Nagaya University, Gifu University, Aichi University of Education, and Mie University) organized the first Meeting of Japanese and Indonesian University Presidents on 15-16 November 2012, with more than fifty other universities from Japan and Indonesia attended the meeting.

With the theme of a Dialogue for Partnership, the meeting was attended by Dr. Muhammad Nuh, Indonesian Minister of the Ministry of Education and Culture, and Dr. Bacharuddin Jusuf Habibie, the Third President of the Republic of Indonesia, who gave a keynote speech titled "Bilateral Cooperation for Sustainable Development and Growth".

In addition Mr. Nobuyori Kodaira, Vice President and Representative Director of Toyota Motor Corporation, gave a speech titled "On Changes in the Environment that the Automobile Industry Operates in and Global Human Resources".

In the field of higher education, as a pioneer in academic exchanges among core universities by the Japan Society for the Promotion of Science and support for doctoral students, Japan has cooperated with exchanges based on inter-university academic exchange agreements and the development of Indonesia through ODA. In recent years, cooperative relationships have developed among numerous universities and research institutes through efforts such as Science and Technology Research Partnership for Sustainable Development, and there is a greater need for contributions to sustainable development through cooperation between the two countries.

### Speech by Dr. Yoshiyuki Sakaki, President of Toyohashi University of Technology at closing ceremony of the Meeting of Japanese and Indonesian University Presidents held in Nagoya.

I am delighted that the Meeting of Japanese and Indonesian University Presidents with the theme of 'A Dialogue for Partnership' has concluded successfully here in Nagoya with the participation of over 60 universities from Japan and Indonesia.

Yesterday we were honored to welcome Dr. Muhammad Nuh, the Indonesian Minister of the Ministry of Education and Culture, and Dr. Bacharuddin Jusuf Habibie the former president of Indonesia. Representatives from Japan included Mr. Nobuyori Kodaira, Vice President and Representative Director of Toyota Motor Corporation.

After the keynote speeches by Dr. Habibie and Mr. Kodaira the participants divided into five groups to discuss issues related to higher education in Japan and Indonesia.

I believe that the dialogue and exchange of opinions between representatives from Indonesia and Japan will facilitate even stronger cooperation between the two countries. Indeed, I hope that this meeting will promote even stronger interaction and academic exchange between the universities of both countries.

I would like to thank the Ministry of Education, Culture, Sports, Science and Technology and the Japan Society for the Promotion of Science for their support in making this conference possible.

I would also like to thank President Michinari Hamaguchi and his colleagues at Nagoya University for their concerted efforts in organizing this unique and outstanding meeting. In fact, Nagoya University played a central role in making the arrangements for this meeting with the cooperation from Gifu University, Aichi University of Education, and Mie University.

Again, I would like to express my gratitude to representatives from the five local universities in the Tokai region and all the participants from Indonesia and Japan for making this such a memorable and highly successful meeting.

Thank you all very much.

Yoshiyuki Sakaki  
President, Toyohashi University of Technology



Lecture of Prof. Dr. Habibie, former President of Indonesia



H.E. Dr. Mohammad Nuh, Minister of Education and Culture



Mr. Nobuyori Kodaira, Vice President and Representative Director of Toyota Motor Corporation

## The Irago Conference 2012

Organised by the Electronics-Inspired Interdisciplinary Research Institute (EIIRIS) at Toyohashi University of Technology, The Irago Conference held last week (15 -16 November) in Aichi, Japan aimed to enhance mutual understanding between scientists, engineers and policy makers. Over 180 participants tackled topics ranging from energy and natural resources to public health and disaster prevention.

The 360-degree outlook of the conference impressed speakers and guests. "This conference has been extremely informative," noted Robert Gellar from the University of Tokyo. "A unique conference with experts from a wide range of backgrounds," agreed Uracha Ruktanonchai from the National Nanotechnology Center (NANOTEC) in Thailand.

Similarly, G.P. Li, Professor of electrical engineering and computer science at the University of California Irvine commented that he had been "Able to think the unthinkable" as a broad range of topics came together. The conference was streamed live on Ustream to ensure researchers from across the world could benefit from thought provoking presentations examining global issues such as energy, disaster mitigation, and nanotechnology.

"This was wonderful," said Ouassama Khatib from Stanford University, "A good recipe of speakers from such a wide range of backgrounds." 43 papers resulting from the conference have been submitted to the Journal of Physics Conference Series, a peer-reviewed, open-access journal.

In addition to the formal speaker program, graduate students session provided a platform for graduate students to describe their latest findings as oral presentations. A series of excursions to relevant locations, such as local of the Tahara megasolar region under construction and a local car manufacturing factory gave participants the opportunity to further consider practical applications of their research in industry.

The Irago Conference will be held again next year as researchers continue to develop solutions to the ever increasing environmental, social and technological challenges faced by people in the 21<sup>st</sup> Century.

### For more information

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Conference participants visiting Cape Irago.



Among the 180 participants was Daniel E. Morse University of California, Santa Barbara, USA, who gave an invited talk on "Biologically inspired, nano-structured materials for energy and photonics".



Fireworks display at the closing Irago Conference Banquet



Researchers from India, Philippines, Thailand, United Kingdom, Japan, Republic of Korea, Singapore, United States and Sri Lanka attended the Irago conference