

# Great Voyage

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## Message from Vice President for International Affairs



Greetings from Doshisha University!

It is great pleasure and honor for us to introduce our new newsletter, *Great Voyage* to you. Through this *Great Voyage*, we would like to share our latest news and information and our

approaches for internationalization.

Doshisha University, as the leading university in Japan, has been actively promoting internationalization, as “internationalism” is one of our educational principles. Selected as one of the 13 leading universities for the Global 30 Project which was initiated by MEXT (Japanese Ministry of Education, Culture, Sports, Science and Technology) in 2009, we are committed to work harder toward further internationalization.

What we think the most important criteria for internationalization of university are not only to have certain number of international students, programs offered in English, and partnership institutions, but also to have better quality of programs, students, faculty and staff, and research environment to meet the international standards.

Based on such idea, we provide various kinds of programs all over the world. For instance, the Center for Japanese Language and Culture (CJLC) has been accredited by MEXT as a “Designated Japanese-Language Training Institution”, and it offers well-developed Japanese curriculum, which is designed

to enable the students to learn widely about the modern Japanese language, culture and society. The CJLC also strengthens its partnership with the study abroad program centers of leading overseas institutions on our campus by making good use of our location in Kyoto, and it is unprecedented feature for the CJLC.

In addition, Faculties and Graduate Schools accept full-time degree seeking students from overseas and offer short-term programs or double-degree programs under academic cooperation agreements. The Graduate School of Global Studies and the Graduate School of Business (Doshisha Business School) offer new degree programs entirely in English, such as a Global MBA Course. Furthermore, the Graduate School of Engineering and the Graduate School of Life and Medical Sciences will jointly start the International Science and Technology Course from September 2010, and the Japanese Course of the Faculty of Global Communications and the International Education Course of the Institute of International Education will start from April 2011.

While we have cooperated with you mainly through student exchanges, we wish to develop research and educational exchanges by implementing double-degree programs and short-term student exchange programs as well as faculty exchange programs.

In this way, we strive to address the internationalization of higher education in Japan, and we hope this *Great Voyage* will help us to have better communications with you.

Thank you.

Professor Nobuhiro Tabata  
Vice President for International Affairs

## Afghan President Hamid Karzai Visits Doshisha

On June 19, 2010, President Hamid Karzai of the Islamic Republic of Afghanistan visited Doshisha University and had a dialogue meeting with over 90 students, mainly from the Graduate School of Global Studies. Following an explanation of the aim of the meeting by Professor Hisae Nakanishi of Graduate School of Global Studies, President Karzai made a keynote address and had a lively exchange of views and opinions with the students. In response to various questions made by the students on the immediate challenges facing Afghanistan such as reaching a settlement with the Taliban, policies and strategies for curbing corruption, the role of religion in reconstruction, the President's perspective on proliferation of nuclear power, and the development of recently discovered rare metals. President Karzai also expressed his views regarding national reconstruction and peace building. The dialogue meeting ended with President Eiji Hatta of Doshisha University who expressed his gratitude for President Karzai's visit, followed by his announcement that Doshisha University will be engaged in assisting in the reconstruction of Afghanistan and the building of peace in the region.



After the dialogue meeting with the students, the President and his entourage, including National Security Advisor Rangeen Dadfar Spanta, Foreign Minister Zalmay Rassoul, Finance Minister Omar Zakhilwal, Deputy Foreign Minister Eklil Ahmad Hakimi, Japan's Deputy Chief Cabinet Secretary Tetsuro Fukuyama, Ambassador and Special Representative for Afghanistan and Pakistan Motohide Yoshikawa, Ambassador to Afghanistan Shigeyuki Hiroki had a talk with President Eiji Hatta, Dean of the Graduate School of Global Studies Masanori Naito, Professor Hisae Nakanishi, and Associate Professor Eiji Oyamada for future cooperation to be made by Doshisha University.

President Karzai sympathized with our founding philosophy of "conscience education" and highly valued our attitude toward assisting in the reconstruction of Afghanistan. The meeting provided a very meaningful and valuable opportunity for Doshisha University to learn more about Afghanistan and its people.



## Secretary General of Norwegian Foreign Ministry Visits Doshisha

A group led by Secretary General of the Norwegian Foreign Ministry Bjorn T. Grydeland and Ambassador to Japan Arne Walther visited Doshisha University on April 9, 2010.

The visit was realized in relation to the Kyoto Norway Center, the director of which is Professor Yasuhiko Ito of the Faculty of Science and Engineering, and the Kyoto International Forum for Environment and Energy (KIFEE). Professor Ito, President Hatta, Vice President Tatsuki and Director of the International Center Wada met with them and together they had talks on energy and environmental issues. Doshisha's party introduced their efforts and research results regarding environmental issues. They also explained about Doshisha's promotion of

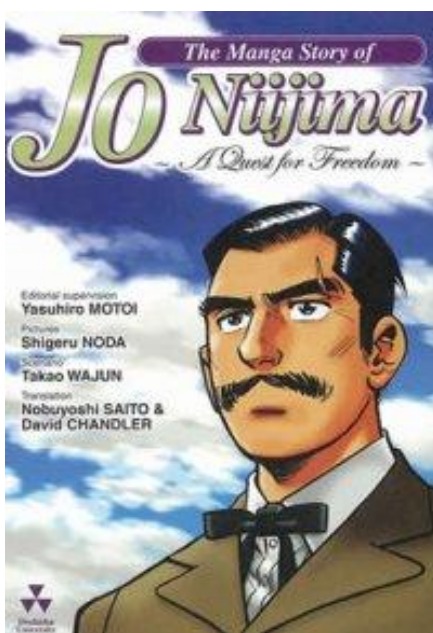
international collaboration, as well as its plan to establish the Faculty of Global Communication in the Kyotanabe campus with a focus on the need to convey diverse information from Doshisha to the world. The meeting continued for about two hours.

After the meeting, the ambassador's party was given a tour of the Kyoto Norway Center.

We hope the visit provided an opportunity to once again highlight the importance of environmental protection efforts and to encourage further active exchanges between Norway and Doshisha University.



## Manga Story of the Founder Published



Today is the age of manga. In particular, Japanese manga (comic books), gekiga (dramatic pictures) and anime (animated movies) are rapidly growing in popularity all over the world.

Taking advantage of this global manga boom, as well as bringing the history of Doshisha University to the illiterate generation, we have produced a total of 15,000 copies of The Manga Story of Jo Nijijima (the Japanese version in 2008; an English version in 2009).

The Japanese version is already available for sale at bookstores. The English version is scheduled to be distributed mainly to partner universities overseas for free.

The book, by artists Shigeru Noda (illustrations) and Takao Wajun (storyline), was created under the supervision of Yasuhiro Motoi (Professor of the School of Theology) with the English translation by Nobuyoshi Saito (Professor of the Faculty of Letters) and David Chandler (Associate Professor of the Faculty of Letters). The book passionately depicts the history of Doshisha University, which since its foundation has become a major part of the international academic community. Due to its recognized international standing, Doshisha University was selected for the MEXT G30 Program as an international base for efforts to promote the globalization of university education.



# International Partnership

Doshisha University (DU) has exchange agreements with 136 universities and colleges in 34 countries all over the world (As of June 2010).

To get further details, go to the website below:

<http://www.doshisha.ac.jp/english/information/international/exchanges/>

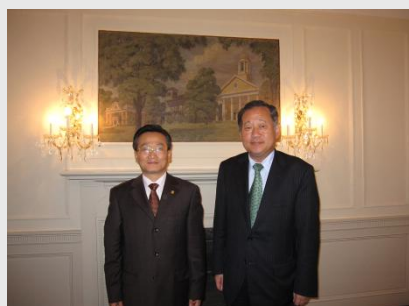
► Dr. Rose Tseng, Chancellor of The University of Hawai'i at Hilo (UH Hilo) visits DU for the signing ceremony of the student exchange agreement on March 30, 2010.

UH Hilo offers 36 undergraduate programs, 6 graduate programs, and 2 doctorates programs including M.A. program in Hawaiian Language and Literature as the only Hawaiian Language program in the States, and it recently ranked 6th nationwide for campus diversity in U.S. News and World Report.



◀ Dr. Eiji Hatta, President of DU visits Dr. Nguyen Trong Giang, President of Hanoi University of Technology (HUT) for the signing ceremony of the general and student exchange agreement as well as the agreement between HUT's Polymer Centre and DU's Research and Development for Bamboo Center on March 17, 2010. DU has its oversea base in the Polymer Centre of HUT.

► Dr. Eiji Hatta, President of DU visits Dr. Vu Dinh Thanh, Rector of Ho Chi Minh City University of Technology (HCMCUT) for the general and student exchange agreement on March 18, 2010. Though we have less than 10 Vietnamese students studying at DU, we expect more and more students are interested in coming to DU.



◀ Prof. Liuting Chen, President of Chongqing University of Posts and Telecommunications (CQUPT) visits Dr. Eiji Hatta, President of DU on May 24, 2010. The general and student exchange agreement between CQUPT and DU was concluded on March 28, and they had a productive and fruitful meeting at the DU's Amherst House. We expect that our friendship will further strengthen the academic cooperation.

# Professors of Faculty of Life and Medical Sciences Receive JSTP Best Paper Award

The research group of the Faculty of Life and Medical Sciences, Professor Eiji Nakamachi, Professor Tsutao Katayama, Associate Professor Kazuto Tanaka et al., received the 2010 Best Paper Award from the Japan Society for Technology of Plasticity.

Title of the Paper: Asymmetric Rolling Process Design Using Crystal Plasticity Multiscale Analysis

Authors : Hiroyuki Kuramae, Shoji Takahashi, Eiji Nakamachi, Nguyen Ngoc Tam, Kazuto Tanaka, and Tsutao Katayama



This paper presents the development of the optimum design method for the rolling process by combining multiscale finite element (FE) analysis which facilitates the prediction of the texture evolution and formability with the use of discretized optimization algorithm, and its application to the asymmetric rolling process optimization of aluminum alloys.

A rolling process is an important base technology in the field of metal processing, in which a metal is formed into a sheet of desired thickness by being passed through a pair of rolls. It has been clarified that the rolling process causes the inhomogeneous distribution of crystal orientation. In order to improve the formability of sheet metal after the rolling process, an asymmetric rolling process, which allows different speeds for the two rolls, has been receiving particular attention as a method of generating a texture of a homogeneous structure. In this asymmetric rolling process, however, optimum conditions have to be calculated on a trial-and-error basis by repetition of experiments as various factors influence the characteristics of the rolled sheet metal.

The optimum asymmetric rolling process design system, which has been developed in this study, is confirmed to be a powerful tool for finding an optimum rolling process to generate a high formability sheet metal. It is attracting increasing interest from industry as a technology for reducing time for process design as well as contributing to the further development of high-performance materials. The paper was highly evaluated as a demonstrative study of a new computer simulation technology, "process metallurgy", which has begun to attract attention from industry.

## Professor Akihiro Ametani Receives Fellow Status



Akihiro Ametani, Professor of the Faculty of Science and Engineering, received the Fellow status from the Institute of Electrical Engineers of Japan (IEEJ) at its General Conference held on May 26. The IEEJ Fellow status is given to "a person with excellent knowledge and expertise in the fields of electricity, electronics, information communication and associated technologies who has played a leading role in a responsible position over the years and made outstanding contributions to the development of society and the Institute of Electrical Engineers of Japan."  
(IEEJ Fellow Status Awarding Regulations)

Professor Ametani has also been awarded Fellows of IEEE (the Institute of Electrical and Electronic Engineers) and IET (the Institution of Engineering and Technology), as well as Distinguished Member of CIGRE (International Council on Large Electric Systems).

# Professor Emeritus Takahiko Otani Receives Science and Technology Award

On April 13, Takahiko Otani, Professor Emeritus of Doshisha University, received the Science and Technology Award (in the Research Section) honored by the Ministry of Education, Culture, Science and Technology. He was awarded for "the development of a bone strength measurement system using an ultrasonic method". He has been engaged in the development of an ultrasonic diagnosis system for osteoporosis since being professor at the Department of Electronics in the Faculty of Science and Engineering, and has clarified, for the first time, the phenomenon that two longitudinal ultrasonic waves propagate through cancellous bone, the most important site to examine for the diagnosis of bone disorders.



Professor Otani also succeeded in putting the two-wave ultrasonic measurement system into practical use by formulating this wave propagation phenomenon. The system, approved by the Pharmaceutical Affairs Act in 2009, is designed to assess trabecular bone structure in vivo from the results of wave propagation measurement.

As the ultrasonic diagnosis system is free from the influence of radiation exposure and relatively inexpensive to equip, it is suitable for use in group medical examinations. The system is increasingly attracting attention as a useful technology in maintaining bone health such as early detection and prevention of osteoporosis, and the examination of bone development in the younger generation.

## Organization for Promotion of International Cooperation

### International Center

#### Office of International Center

##### Section for International Affairs

- Academic Exchange Agreements
- Planning of Strategies for Internationalization
- Setting Up Overseas Bases
- International Conferences & Joint Research Projects
- PR Activities for Promotion of International Cooperation
- Executive Committee for International Affairs

##### Section for Study Abroad Programs

- Sending Doshisha Students as International Exchange Students to Overseas Partner Institutions
- International Exchange Study Programs

### Center for Japanese Language and Culture

#### Office of International Education

##### Section for International Education

- Support Services for International Students (Enrollment, Student Life, Scholarships, etc.)
- Other Educational Programs for International Students

##### Section for Japanese Language and Culture

- Educational Affairs Related to Students of the Center for Japanese Language and Culture (International Exchange Students from Overseas Institutions)
- Educational Affairs Related to Students of the Intensive Japanese Language Program "Bekka" (Privately-Financed International Students)

### Internationalization Promotion Office

- Undertaking Global 30 International Education and Research Initiative

### Institute of International Education Planning Office

#### Office for Institute of International Education Planning

- Planning for Institute for International Education



# Overseas Bases

Doshisha University's overseas bases were established in order to further promote its rapid and effective internationalization. At our overseas bases we are implementing mainly public relations activities to increase the profile of Doshisha University, while at the same making the most of the characteristics unique to each base. In addition, we are undertaking various efforts to recruit overseas students, support our students while they are studying overseas, and provide on-site support to members of our faculties while they are overseas.

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## Message from Director of International Center



Greetings from Kyoto. The International Center of Doshisha University has decided to issue a newsletter to inform you of our present activities and upcoming events. This first issue brings you fundamental information of our team. The International Center is located at Imadegawa Campus which is next door to the Kyoto

Imperial Palace. We are serving for overseas partners on their activities at our campus, and helping our Doshisha students to find proper partners for their study-abroad opportunities.

Your students and faculties can enjoy tranquil atmosphere of Kyoto with many temples and shrines full of Japanese tradition and culture. People in old town are eager to help visitors around the world to make their stay in Kyoto comfortable and fruitful. Kyoto used to be a center of silk fabric industry in Japan for more than 1,000 years. A plenty of traditional handicraft manufacturers are still active in the city. Kyoto also hosts high-tech industries like Murata and many startup ventures to make good research field for Japanese social studies.

Doshisha University has another campus at the center of Kansai Science City where people raise another new type of Japanese culture. Research clusters of Kasai Science City include Nara-city park area, which is now celebrating the 1,300-year anniversary of Heijo-kyo ancient Japanese capital. Research centers of Japanese private industries like Panasonic, Kyocera, OMRON, Shimadzu, and Japanese national research institutes like Japan Atomic Energy Agency and International Institute for Advanced Studies gather in clusters adjacent to Doshisha. These Doshisha neighbors of high level research institutes form one part of the resources that our partner universities can share with us.

There are so many political and economic movements in Kansai area, and you may find people here have a different point of view from Tokyoites. If your students and faculties are interested in visiting this area to do some research, please feel free to ask any questions to us. We will be happy to discuss with you to make our international collaboration more fruitful, and utilize this newsletter as a tool to share information with our partners. We would be also grateful for your comments to improve the contents of this newsletter.

Professor Motoi Wada  
Director of International Center

## Greetings from Office of International Center

Dear Partners,

Greetings from Kyoto! It rains almost every day in the rainy season in Japan; therefore, we are waiting for summer to come.

We are very pleased to introduce our newsletter GREAT VOYAGE to you. Since it is hard for us to visit you, this newsletter helps us to get closer each other. We hope you enjoy reading GREAT VOYAGE and share this with your colleagues.

Wish you have wonderful summer of 2010!

Best Wishes,  
Staff of Office of International Center



**Great Voyage** is published by the International Center at Doshisha University.

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