



The Second UTokyo Strategic Partnership Symposium Report

Monday, March 14th, 2016
Auditorium, Faculty of
Science Bldg. 2, UTokyo



国際本部
Division for International Affairs

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The Second UTokyo Strategic Partnership Symposium Program

Date and Time: Monday, March 14th, 2016 from 9:00 - 12:30

Venue: Auditorium, 4th Floor, Faculty of Science Bldg. 2

Moderator: *Naoto Sekimura (Special Adviser to the President, Deputy Director General of the Division of International Affairs)*

9:00-9:10 **Opening greeting and introduction to the University of Tokyo's Top Global University Project Initiative "Constructing a Global Campus Model at UTokyo" and "Strategic Partnership"**
- *Ken Furuya Executive Vice President, Director General of the Division of International Affairs*

9:10-10:25 **Presentations regarding distinctive projects**
(20 min/presentation, 5 min Q&A after each presentation)

9:10-9:35 **Princeton University**: Acceleration of joint research and education exchanges supported by donations

- *Takahiro Nakajima Professor, Institute for Advanced Studies on Asia*

- *Yusuke Obuchi Associate Professor, Graduate School of Engineering*

- *Yuriko Nakamura Undergraduate student, Humanities and Social Sciences I, Junior Division, College of Arts and Sciences*

9:35-10:00 **The Australian National University**: Implementation of an interdisciplinary student exchange program

- *Yujin Yaguchi Professor, Graduate School of Arts and Sciences*

- *Yusuke Yokoyama Professor, Atmosphere and Ocean Research Institute*

- *Yusuke Sakurai Project Assistant Professor, Graduate School of Arts and Sciences*

- *Maho Shinkawa Undergraduate student, Humanities and Social Sciences I, Junior Division, College of Arts and Sciences*

- *Sora Yamaguchi Undergraduate student, Natural Sciences II, Junior Division, College of Arts and Sciences*

10:00-10:25 **KTH Royal Institute of Technology, Stockholm University, and Lund University**: Integrated arts and sciences exchanges through university-wide against country-based collaboration

- *Yuto Kitamura Associate Professor, Graduate School of Education*

- *Junichiro Shiomi Associate Professor, Graduate School of Engineering*

- *Yoshihiko Ishimaru Master's degree student, Graduate School of Education*

10:25-10:40 **Break**

10:40-12:25 **Midterm Reports**

(22 Projects × 3 min/project, Q&A after all the presentations)

10:40-10:43 **University of Bonn**

- *Kensuke Okada Professor, Graduate School of Agricultural and Life Sciences*

10:44-10:47 **Vietnam National University, Hanoi**

- *Hironori Kato Professor, Graduate School of Engineering*

10:48-10:51 **Yangon Technological University**

- *Wataru Takeuchi Associate Professor, Institute of Industrial Science*

10:52-10:55 **University of California, Berkeley**

- *Toshitake Kohno Professor, Graduate School of Mathematical Sciences*

10:56-10:59 **University of Cambridge**

- *Mikiko Kikuchi Lecturer, Graduate School of Pharmaceutical Sciences*

11:00-11:03 **Swiss Federal Institute of Technology in Zurich**

- *Teruyuki Hayashi Project Researcher, Graduate School of Science*

11:04-11:07 **Tsinghua University**

- *Ichiro Sakuma Professor, Graduate School of Engineering*

11:08-11:11 **Seoul National University**

- *Shigeto Sonoda Deputy Director General, Division of International Affairs*

11:12-11:15 **Peking University**

- *Takahiro Nakajima Professor, Institute for Advanced Studies on Asia*

11:16-11:19 **University of Chicago**

- *Takahiro Nakajima Professor, Institute for Advanced Studies on Asia*

11:20-11:23 **Massachusetts Institute of Technology**

- *Kazuo Hiekata Associate Professor, Graduate School of Frontier Sciences*

11:24-11:27 **Technische Universität München**

- *Yoshihiko Nakamura Professor, Graduate School of Information Science and
Technology*

11:28-11:31 **El Colegio de México**

- *Takeshi Wada Associate Professor, Graduate School of Arts and Sciences*

11:32-11:35 **National University of Singapore**

- *Akiko Kishi Project Assistant Professor, The University of Tokyo Hospital*

11:36-11:39 **Stanford University**

- *Hiromichi Kimura Project Professor, Graduate School of Pharmaceutical
Sciences*

11:40-11:43 **National Taiwan University**

- *Hiroyuki Nakayama Professor, Graduate School of Agricultural and Life
Sciences*

11:44-11:47 **University of Chile and Pontificia Universidad Católica de Chile**

- Mamoru Doi *Professor, Graduate School of Science*

11:48-11:51 **Nanjing University**

- Takashi Izutsu *Project Associate Professor, Komaba Organization for Educational Excellence (KOMEX)*

11:52-11:55 **University of Oxford**

- Kyoko Yasuda *Lecturer, Graduate School of Humanities and Sociology*

11:56-11:59 **HEC Paris**

- Takahiro Fujimoto *Professor, Graduate School of Economics*

12:00-12:03 **Goethe University of Frankfurt**

- Takahiro Fujimoto *Professor, Graduate School of Economics*

12:04-12:07 **University of California, San Diego**

- Hideaki Shiroyama *Dean, Graduate School of Public Policy*

12:08-12:20 **Q&A**

12:20-12:25 **Important notice to members in charge of projects**

- Naoto Sekimura *Deputy Director General, Division of International Affairs*

12:25-12:30 **Closing Remarks**

Yukitsugu Ono General Manager, International Affairs Department

12:45-14:00 **Information Exchange Luncheon**

(Capo PELLICANO –13th Fl, Experimental Research Bldg, Graduate School of Medicine)

*Introduction to the University of Tokyo's
Top Global University Initiative*

“Constructing a Global Campus Model at UTokyo” & “Strategic Partnership”

Ken Furuya
Executive Vice President
Division of International Affairs
The University of Tokyo



The University of Tokyo: Vision 2020

Synergy between Excellence and Diversity
—Acting as a Global Base for Knowledge Collaboration—

Vision 1: Research

Strategic Development of Learning that Strives to Create New Value

Vision 2: Education

The Cultivation of Basic Abilities and the Training of Knowledge Professionals

Vision 3: Cooperation with Society

Forming the Public Role of the University in 21st Century Global Society

Vision 4: Operations

Enhancement and Revitalization of the University's Multi-faceted Space



Top Global University Project - UTokyo



Constructing a Global Campus Model
as a leading research university from among
the non-English speaking regions

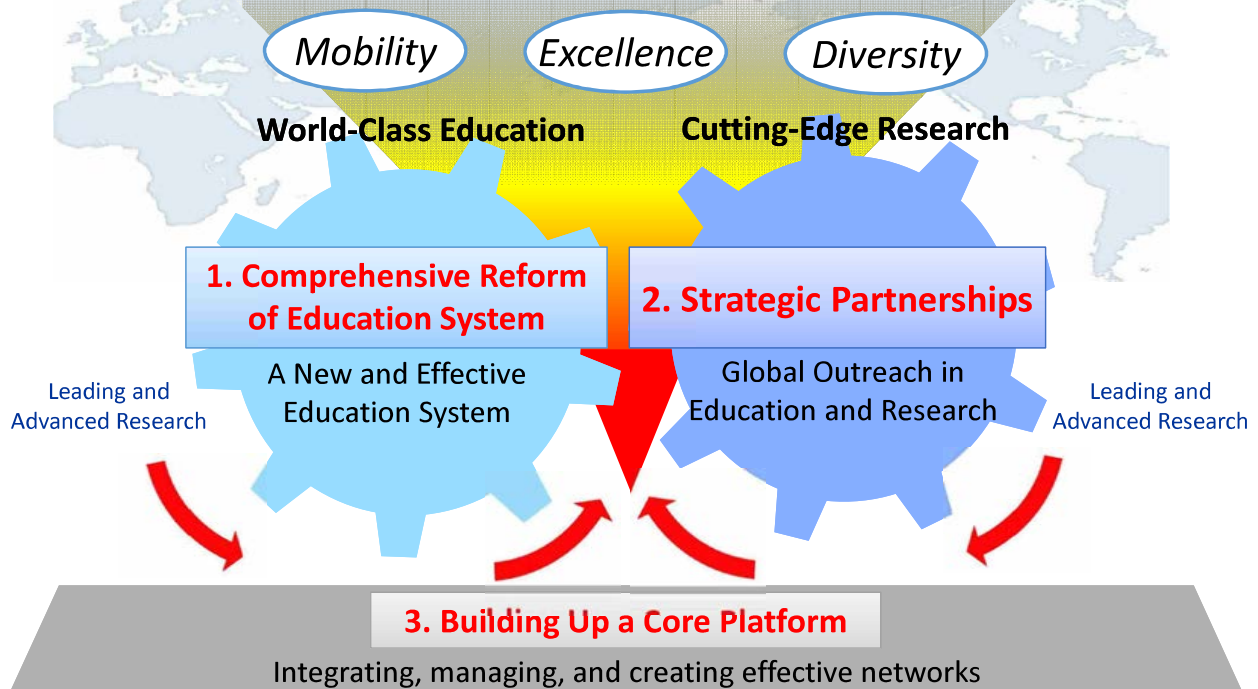
Contribution to knowledge and values of a global society
through research and education

6 characteristics of the Global Campus Model at UTokyo



Top Global University Project - UTokyo

Constructing a Global Campus Model at UTokyo



Strategic Partnerships

2. Strategic Partnerships

Global Outreach in
Education and Research

Establishment of close, creative, flexible, collaborative relationship beyond the usual academic exchange agreement with a limited number of universities

- ✓ Aim to create a unified relationship so as to create an **overall, reciprocal, mutually-beneficial, and special relationship** by taking advantage of the strength of both universities.
- ✓ Expand the **number of fields** in which collaboration take place between UTokyo and the partner universities.
- ✓ Enhance the **mobility** of faculty, administrative staff and students.

Strategic Partnerships

● Cutting-edge Research Collaboration

in many different fields including emerging topics, interdisciplinary fields and new collaboration networks.

● Collaboration in Educating Graduate Students

based on the research collaboration primarily for graduate students exposing them to high quality research achievements.

● Promote Undergraduate Student Exchange

through a collaborative management of activities such as summer/winter programs.



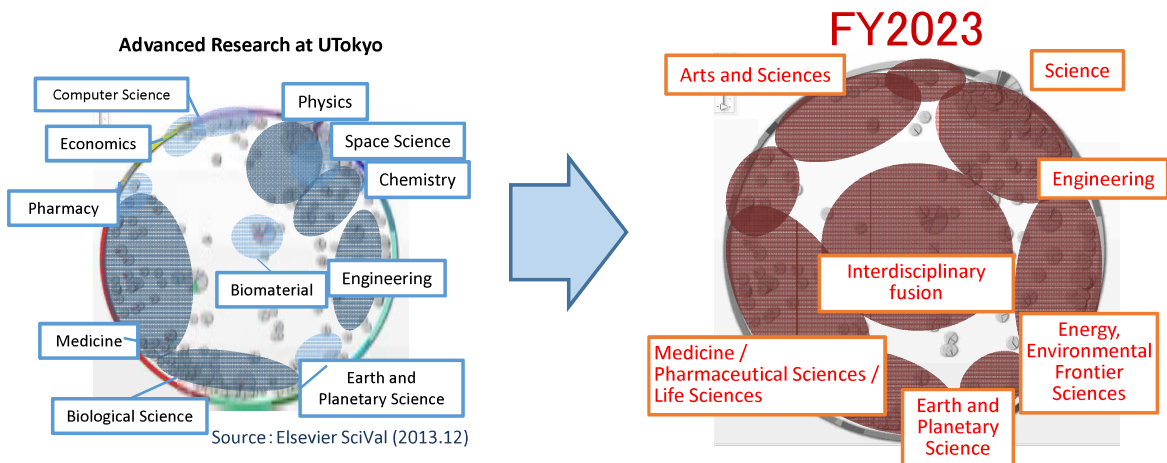
Strategic Partnerships – Next steps

There are currently 65 UTokyo groups working to establish strategic partnerships with 26 universities overseas

Examples of criteria used to prioritize projects

Compatibility	<ul style="list-style-type: none"> ✓ Institution-to-institution cooperation ✓ Similar/complementary fields of excellence ✓ Mutual benefit and shared resources ✓ Active research collaborations and student exchanges
Sustainable structure within the University	<ul style="list-style-type: none"> ✓ Involving many faculty, staff, and students (institution-wide) ✓ Interdisciplinary ✓ Faculty-led
Potential for Growth	<ul style="list-style-type: none"> ✓ Expansive vision/plan ✓ Industry/government relation

International Evaluation of UTokyo – Future Goal



The faculties of UTokyo have an all round strength

- Enhancement of research capability through graduate schools reforms, increase of overseas students, international education, and global collaborative leading-edge advanced research
- Development of interdisciplinary fusion
- Enhance the visibility of UTokyo and communication of our work around the world

Thank you!



Strategic Partnership between Princeton and UTokyo

TAKAHIRO NAKAJIMA

Professor of Institute for Advanced Studies on Asia



Background and Feature

Memorandum of Strategic Partnership (January 15, 2013)

- UTokyo's **first** Strategic Partnership memorandum
- Established to **deepen existing collaborations** (Public Policy and International Relations, East Asian Studies, Astrophysics) and to **extend into new areas** based on sustained reciprocity and mutual benefit
- **Joint Governance Committee**
 - manages tasks according to the memorandum
 - Members:

UTokyo

Hiroaki Aihara (Vice President)
Kiichi Fujiwara (Special Assistant to the President)
Takao Someya (Graduate School of Engineering)
Jin Sato (Institute for Advanced Studies on Asia)
Kae Zaitu (International Affairs Department)

Princeton

Mell Bolen (Director, Study Abroad Office)
Christina Davis (WWS/POL)
Jim Sturm (Director, PRISM)
David Leheny (East Asian Studies)
Anastasia Vrachnos (Vice Provost)

Princeton-UTokyo Partnership Initiatives: Teaching and Research Collaboration

- Based on the memorandum, UTokyo and Princeton provide resources to teaching and research collaborations
- Two types: **Seed grants** (one year) and **large grants** (three years)

Princeton-UTokyo Partnership Initiatives: Teaching and Research Collaboration

- Grant Awarded Projects (14 projects to date):

2013 -2014	<ul style="list-style-type: none"> • Prof. Takao Someya (Graduate School of Engineering) - Prof. James Sturm • Prof. Naoki Yoshida (Graduate School of Science/Kavli IPMU) - Prof. Jenny Greene • Prof. Jin Sato (Institute for Advanced Studies on Asia) - Prof. David Leheny
2014 -2015	<ul style="list-style-type: none"> • Prof. Satoshi Ide (Graduate School of Science) - Prof. Allan Rubin • Prof. Kengo Hirachi (Graduate School of Mathematical Sciences) - Prof. Charles Fefferman • Prof. Yasushi Ono (Graduate School of Frontier Sciences) - Prof. Stewart Prager • Prof. Yasuke Obuchi (Graduate School of Engineering) - Prof. Jesse Reiser
2015 -2016	<ul style="list-style-type: none"> • Prof. Masahiro Fujita (VLSI Design and Education Center) - Prof. Sharad Malik
2016 -2017	<ul style="list-style-type: none"> • Prof. Akitoshi Kawamura (Graduate School of of Arts and Sciences) - Prof. Sanjeev Arora • Prof. Masashi Haneda (Institute for Advanced Studies on Asia) - Prof. Jeremy Adelman • Prof. Hiroshi Nishiura (Graduate School of Medicine) - Prof. Bryan Grenfell • Prof. Takeaki Ozawa (Graduate School of Science) - Prof. Stanislav Shvartsman • Prof. Motohide Tamura (Graduate School of Science) - Prof. N Jeremy Kasdin • Prof. Kiichi Fujiwara (Graduate Schools for Law and Politics) - Prof. G John Ikenberry

University-wide Activities

- Oct 2013 President Eisgruber visited UTokyo
- Oct 2014 UTokyo Day: Celebration of Our Partnership @ Princeton
- May 2015 Prof. Tom Gally & Tatsuru Masuda's (Arts & Sciences) project with Princeton was selected as part of UTokyo's Top Global University Project to establish strategic partnerships
- Oct 2015
- The Ogasawara Foundation for the Promotion of Science & Engineering received the "*Shokumon Award*"
 - Study Abroad Fair and staff exchange @ Princeton
 - VP Vrachnos visited UTokyo



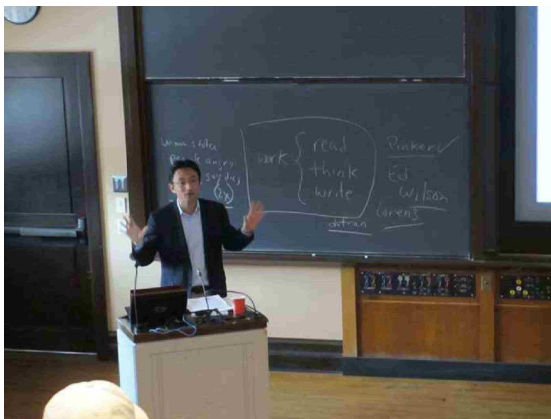
Toward Immersive Asian Studies:

An Undergraduate Exchange Program for the
Todai-Princeton Partnership

Central Aims

- To encourage faculty from each side to teach undergraduate students in the field of Asian Studies
- To exchange undergraduate students in two directions for more than 1 month to gain broader perspectives on “Asia”.
- To enrich Asian studies communities of each side through increased scholarly interactions.

EAS 302 Dilemmas of Development in Asia



- Over 50 students enrolled from various majors
- Enthusiastic student evaluations
- Intensive team teaching
- Initial course designed based on areas of overlap between Leheny’s and Sato’s research and teaching interests

EAS 302 Dilemmas of Development in Asia



- Course goal: to focus on critical and practical lessons in the study of development
- Course made extensive use of Sato's research on and experience in Southeast Asia and on Leheny's work in debates about East Asian political history

“Politics of Japan” in PEAK



- Intensive course taught by Leheny in summer 2014 at Komaba campus
- PEAK program designed as central element of Todai's international education, with four-year curriculum in English
- Students in Leheny's class from nearly a dozen countries
- Important partner in exchange

UTokyo Students coming to Princeton



Final presentation in mid-March by Todai students (on the right) was a good opportunity to mix with incoming students from Princeton

Princeton Students in Todai

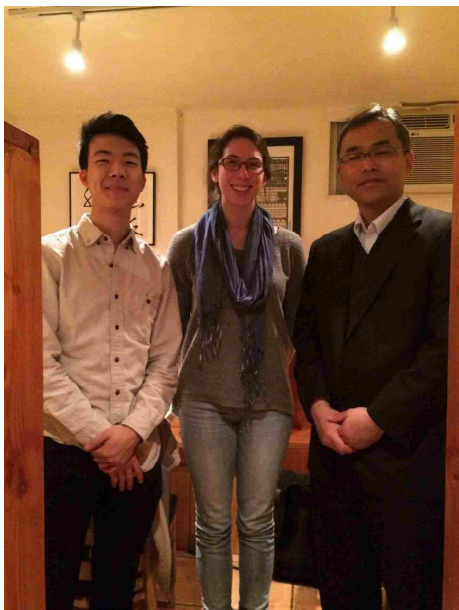
- Summer 2015: First group of five Princeton students – rising juniors and seniors – at Todai for research program on history, memory, and international relations, led by Princeton representative
- Summer 2016: Second group of Princeton students on new research program

Princeton in Todai 2015 War, Memory and Identity

- 5 students from Princeton learned about War, Memory and Identity with various professors from the University of Tokyo.
- They also visited Yasukuni, Hiroshima, etc. for field visits.



EAS 323 On the Universal : Modern Philosophical, Political, and Religious Discourses in Japan and China



- Fall Semester 2015-2016
- This class provides an overview of philosophical, political, and religious discourses in Japan and China, focusing on the problem of the universal.

Quantitative Overview

	From Princeton to UTokyo		From UTokyo to Princeton	
	Faculty	Students	Faculty	Students
2013-2014		25 (Global Seminar)	1	
2014-2015	1			5
2015-2016		10	3	5

Challenges and Future

- Incentives for Princeton faculty to come to Japan (teaching, salary, etc.)
- Longer term exchanges with “faculty development” element beyond “project”.

Future Plans

- Staff exchange @ UTokyo (March 14-18, 2016)
- Princeton Days at UTokyo: progress report of the strategic partnership (March 17-18, 2016)

To further strengthen our partnership:

- Continue/expand
 - Teaching and Research Collaborations
 - Princeton/UTokyo Days
 - Student exchanges
 - Staff exchanges
- Build an international alliance with our partnership as the core

The University of Tokyo/Princeton University Strategic Partnership Teaching and Research Collaboration

Toward Immersive Asian Studies: A Collaborative Undergraduate Exchange Program for the Todai-Princeton Partnership

Spring Semester in Princeton

March 2016

Yuriko Nakamura

Second-year Undergraduate

College of Arts and Sciences, University of Tokyo

Spring 2015: Princeton

5 undergraduate students from the University of Tokyo

- Very diverse in interests and backgrounds
- Majors: Medicine, PEAK (Japan in East Asia), Liberal Arts, and Law
- Different experiences at Princeton (courses, student life, etc.)

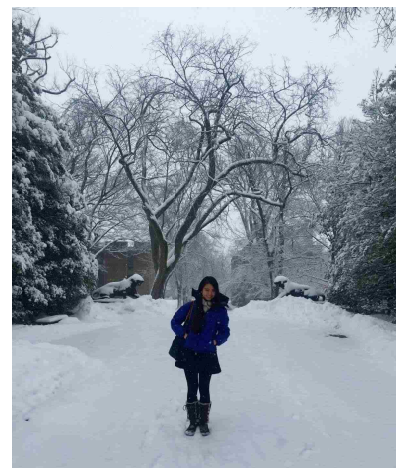
Academics: courses with Princeton students

- Asian Wars, American Politics, Hollywood Cinema (Prof. D. Leheny)
- The Grand Strategy (Prof. A. Friedberg and Prof. G. J. Ikenberry)
- International Relations (Prof. A. Moravcsik)

→ Combination of lectures and **precepts**

Student life: a tight-knit but very welcoming community

- Clubs (e.g. TEDxPrinceton, Princeton Women's Mentorship Program)
- Public seminars and lectures
- Eating clubs
- Halls (dormitories)
- East Asian Studies Department



Summer 2015: Beyond Princeton

War, Memory and Identity: A Summer Research Program

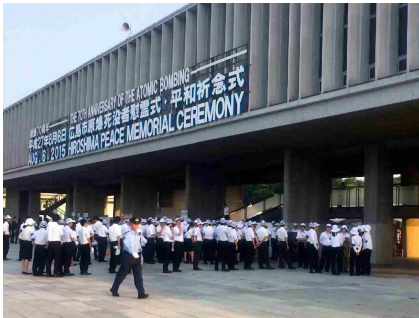
- 5 undergraduate students from Princeton University
- Individual research, guest lectures, and field trips in Japan
- Looked at sensitive issues through fresh/various perspectives

Worked for a distinguished Princeton professor in Tokyo

- Introduced by a Princeton professor from this program
- An invaluable opportunity to experience academic fieldwork



And many more...



Strategic Partners, 2015 –

University of Tokyo and Australian National University

Graduate School of Arts and Sciences

Atmosphere and Ocean Research Institute

Graduate School of Public Policy

Participants

Ellis Toshiko, PhD. Professor, Deputy Director,
International Centre, Professor, Graduate School of Arts
and Sciences.

Yujin Yaguchi, PhD. Professor, Director, Centre for
International Exchange, Graduate School of Arts and
Sciences.

Yusuke Yokoyama, PhD. Professor, Director,
Atmosphere and Ocean Research Institute

Yusuke Sakurai, PhD. Project Assistant Professor,
Globalization Office

Maho Shinkawa, Junior Division, Humanities and
Social Sciences I

Sora Yamaguchi, Junior Division, Natural Sciences II

UTokyo/ANU Exchange in

Tokyo

Outline

The course focused on Mt. Fuji. Mt. Fuji has been regarded as an iconic symbol of Japan both inside and outside the country for centuries. This course investigated Japanese society of the past and present

through the lens of Mt. Fuji as a myth and symbol of Japan. Its primary goal was to deconstruct the various myths surrounding this mountain and understand the complex social and cultural dynamics operating behind them. Through a rigorously interdisciplinary analysis of the mountain and its cultural contexts, the course critically widened and deepened the understanding of Japanese society among both non-Japanese and Japanese students.

The course was taught by a group of professors with different professional backgrounds - in literature, art, political science, and sciences. The course consisted of lectures, discussions, group work, and presentations by the students. The students were strongly encouraged to interact with each other through activities inside and outside of the classroom.



At the Lake Yamanaka



The last day at COMCEE

Topics

- The One and Only Holy Mountain: Past and Present Worship of Mt. Fuji
- Pilgrimage and Gender
- Visualizing the Sacred Realm: Mount Fuji and Japanese Arts
- Mt. Fuji and Literature
- Climate change on geological to modern time scales
- Mt. Fuji and the Politics of Tourism
- Volcanic eruptions and disasters in Japan and the world



Course assignments

Group reflection logs

Students as a group were required to submit reflection logs every day. These logs were uploaded onto Edmodo.

Schedule | 7 – 17th Jan, 2016

DATE	ACTIVITY
Thur 7th Jan	Arrival at Yoyogi Station, Brief Orientation

The group reflections covered the following three major themes:

- what the students learned, new experiences, knowledge they gained and what surprised them that day;
- questions about, interests in, and expectations for the next day's session(s); and
- tasks given by the instructors.

Group project presentation

Develop a proposal for improving the environment and understanding of Japan. Give a 15 minute group presentation based on the proposal.

- Design your presentation for a specific target audience such as the Agency for Cultural Affairs (Ministry of Education, Culture, Sports, Science and Technology), Japan Tourism Agency (Ministry of Land, Infrastructure, Transport and Tourism) or local governmental organisation.
- Make good use of knowledge gained throughout the course.
- Think outside the box.
- Be constructive.

Fri 8th Jan	<p>Full orientation (Yujin Yaguchi): Ice breaker, introduction to the course</p> <p>10:10-11:10 Japanese culture</p> <p>12:00-13:00 Lunch social meeting</p> <p>13:15-14:45 Session 1: Religious studies: Associate Professor, Akira NISHIMURA, Graduate School of Humanities and Sociology, UTokyo</p> <p>Shibuya/Komaba excursion, Group-blog/study</p>
Sat 9th Jan	<p>8:30-9:00 Reflection</p> <p>9:00-10:00 Japanese culture</p> <p>10:30-12:00 Session 2: Pilgrimage & Women: Assistant Professor, Lindsey E DEWITT, Kyushu University</p> <p>13:00-14:30 Session 3: [Cont'd] Pilgrimage & Women</p> <p>Small groups, Group-blog/study</p>
Sun 10th Jan	<p>Small groups (Group visit to the Yokoyama Taikan Museum)</p> <p>Group-blog/study</p>
Mon 11th Jan	<p>8:30-9:00 Reflection</p> <p>9:00-10:00 Japanese culture</p> <p>10:30-12:00 Session 4: Mt Fuji, Art & Aesthetics: Misato IDO, Lecturer, Kyoto Institute of Technology</p> <p>13:00-14:30 Session 5: Mt Fuji & Literature: Toshiko ELLIS</p> <p>Small groups, Group-blog/study</p>
Tue 12th Jan	<p>8:30-9:00 Reflection</p> <p>9:00-10:00 Japanese culture</p> <p>10:30-12:00 Session 6: Climate change on geological to modern time scales, Associate Professor, Stephen OBROTCHA, Akita University</p> <p>13:00 - Asakusa excursion, Group-blog/study</p>
Wed 13th Jan	<p>8:30-9:00 Reflection</p> <p>9:00-10:00 Japanese culture</p> <p>10:30-12:00 Session 7: Mt. Fuji, Heritage & tourism: Yujin YAGUCHI</p> <p>13:00-14:30 Session 8: Mt Fuji & Volcanology: Setsuya NAKADA, Earthquake Research Institute, UTokyo</p> <p>14:30 - Small groups, Group-blog/study</p>
Thur 14th Jan	<p>10:00 Travel to the Lake Yamanaka</p> <p>15:00-16:15 Field work, Yamanakako Public Library for The People's Creativity (山中湖情報創造館)</p> <p>16:30 Leave Yamanakako Public Library for The People's Creativity</p> <p>Group work</p> <p>19:00 Leave Sportia Yamanaka to Akafuji no yu hot spring (山中湖温泉赤富士の湯)</p> <p>Group-blog/study</p>



Students presenting their project poster



Students in discussion

Fri 15th Jan	10:50 Visit Lake Motosu 11:15 Narusawa Sport Park (ジラゴンノ) 13:00 Kawaguchiko Field Center (河口湖フィールドセンター) Group work 19:00 Leave Sportia Yamanaka to Akafuji no yu hot spring (山中湖温泉赤富士の湯) Group-blog/study
Sat 16th Jan	9:00-10:00 Interactive presentation preparation 10:00-12:00 Interactive presentations 13:00-14:00 Presentations 14:00-15:00 Wrap up party 15:30 Leave Sportia Yamanaka
Sun 17th Jan	ANU students depart



Last day in front of The Sportia Yamanaka-Naito Seminar House

UTokyo/ANU Exchange in Canberra/Kioloa | Cultural Landscapes and Environmental Change

Professor in Charge

Simon Haberle, PhD. Professor



Director of the School of Culture, History and Language, College of Asia and the Pacific, The Australian National University

What to expect in this course

Participants saw first-hand examples of how environmental change and landscapes have influenced past and present societies and cultures. The students were encouraged to think critically and in a trans-disciplinary way between science (archaeology, paleoecology, environmental science) and humanities (geography, cultural history, art history) by presenting them with a series of in field and in museum/art gallery field experiences. The course combined in-class learning, museum visits and field studies with the opportunity to



Talk by a local aboriginal representative



Group final presentation

discuss cultural and environmental issues with academic, professional and indigenous communities. Students had the opportunity to engage with different local and cultural institutions such as local Aboriginal communities on the South Coast of NSW, the National Museum of Australia, the National Gallery of Australia, and National Parks in NSW. The students emerged with a deeper understanding and the practical skills to engage in current issues that span the sciences and humanities.

Topics presented to participants spanned multiple disciplines and created opportunity for students to think outside a single discipline. Topics included:

- Reconstructing past environments and cultures using the archaeological and palaeoecological records.
- Climate change during the past and into the future by viewing evidence for sea-level change on the southeast coast of Australia and discussing responses to these changes from scientific and humanities perspectives.



At the Kioloa Coastal Campus, the Australian National University

- Human adaptations to novel and dynamic environments by viewing evidence for past catastrophic events such as fires in the Australian forests.
- Social construction and perceptions of nature and landscape through engagement with Indigenous and non-Indigenous representations of landscape and

meetings with Traditional owner groups and museum and gallery visits.

Assessment

Assessment were conducted through daily online diaries entries and group presentations. Most activities were completed each day in the morning with time allowed for daily writing of the online diary in the afternoon.

Schedule | 25th Jan – 8th Feb, 2016

DATE	ACTIVITY
Mon 25th Jan	Arrival in Canberra with full orientation and welcome at Ursula Hall, ANU, in the afternoon
Tues 26th Jan	Free day. Australia Day Holiday. Visit Australia Day festivities around National Museum of Australia and Commonwealth Park (walking distance). Experience the “Encounters” exhibition at the NMA Fireworks in the evening by the lake near the Museum (optional).
Wed 27th Jan	9.30-10.00am: Formal welcome to the School (Japanese Embassy reps, Director/Dean CAP, Japanese Institute reps) 10.00-10.30am: Morning tea in Hedley Bull (HB) foyer 10.30am-12.30pm: Introductory lecture and practical on the Story Map approach to learning outcomes (Prof Simon Haberle) 2.00-3.00pm: Visit the National Botanic Garden (walking distance) to introduce students to Australian flora and an artificially constructed "natural environment". Self study and daily journal work (~1hr).
Thur 28th Jan	9.00-10.30am: Lectures on the Prehistory of Australia (Dr Sally Brockwell and Prof Simon Haberle) Lecture at HB Theatre 3. 11.00-12.30pm: Visit National Museum of Australia (NMA) to look at Australian long-term history and colonial past represented in the Museum displays

	Self study and daily journal work (~1hr).
Fri 29th Jan	9.00am-3.00pm: Drive to Namadgi National Park (1 hr) to visit ancient aboriginal rock art site (40 min walk). Self study and daily journal work (~1hr). 5.30pm-7.30pm: combined dinner at Ursula Hall for UTOKYO and ANU students
Sat 30th Jan	9.00am-1.30pm: Visit to Tidbinbilla Nature Reserve (1 hr drive, to see kangaroos, emus and koalas) with free time in Canberra city. Bring a packed lunch from Ursula Hall. 1.30pm: Participate in a Cricket Match with fellow Australian students and teachers. How to play cricket: https://www.youtube.com/watch?v=hEbOL09ACww
Sun 31st Jan	Free
Mon 1st Feb	9.30am-1.30pm: Leave from Ursula Hall at 9.30am on buses returning to Ursula Hall at 1.30pm. Visit the National Gallery of Australia (short drive) to view art work representative of indigenous culture (Wally Caruana) and early European settlement of Australia (Dr Mark Dyson). 2.00-4.00pm: Help with Story Maps (Shimona Kealy and Prof Simon Haberle) at Hedley Bull Theatre 3. Self study and daily journal work (~1hr).
Tues 2nd Feb	9.30am-1.30pm: Leave from Ursula Hall at 9.30am on buses, returning to Ursula Hall at 1.30pm. Lectures on cultural landscapes and contemporary art in Australia (Dr Mark Dyson) at the National Gallery of Australia. For those interested in attending the Tom Roberts Exhibition you will be able to do so from 11.30am-12.30pm. Otherwise it will be free time to see the rest of the free exhibitions at the NGA. Self study and daily journal work (~1hr).
Wed 3rd Feb	9.00am-10.00am: Lecture at HB Theatre 3. Lecture on the Long- term Environmental Change in Australia (Prof Simon Habrle). 10.00am-1.30pm: Leave in buses from Hedley Bull Building at 10.00am to visit Lake George (40 min drive) to discuss early ideas about aboriginal impact on Australian landscapes. Self study and daily journal work (~1hr).
Thur 4th Feb	9.00am-12.30pm: Meet at Hedley Bull Lecture Theatre 3 at 9.00am. Lectures on prehistory and environmental change in the Pacific (Ass Prof Geoff Clark) and a review of Environmental Movements in Australia and Japan (Ass Prof Simon Avenell). Lunch at Ursula Hall. Self study and daily journal work (~1hr)
Fri 5th Feb	9.00am-: Leave Ursula Hall and travel down to ANU Kioloa Coastal Campus via Braidwood (early European settlement town) and forests where major fires have occurred in the recent past (3hr drive). Lunch at Batemans Bay (Traditional fish and chips to be purchased individually ~AUD\$15). Arrive at ANU Kioloa Coastal Campus around 2.00pm with free afternoon.
Sat 6th Feb	10.00am-12.00pm: Visit local shell middens along the coast (aboriginal occupation history and sustainable living strategies in the past). Self study and daily journal work (~1hr)
Sun 7th Feb	9.00am-12.30pm: Create Story Maps around a selected theme compiled from group experiences during the

	course
	2.00-5.00pm: Group presentations of Story Maps
Mon 8th Feb	9.00am-12.00pm: Return to Canberra airport and farewell students.



Field work at Tidbinbilla Nature Reserve



On Kioloa beach



Professor Simon Haberle explaining the local flora



Playing cricket

UTokyo/ANU Exchange in Tokyo



Outline

(1) Describing 'Japan'

(2) Interaction



(1) Describing 'Japan' ← **hard**

◆ Learning on Mt. Fuji



◆ Having 'Japanese' experience



(1) Describing 'Japan'

Find unique aspects of Japan

Consider **process/background** by thinking about 'how?' and 'why?'

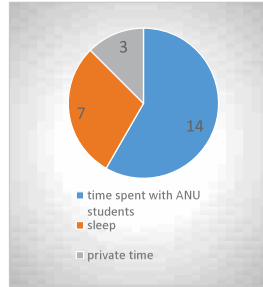
Describe Japan to foreigners

(2) Interaction

- ◆Lecture
- ◆Group reflection blogs
- ◆Group presentation
- ◆Free time in the afternoon



We spent most of our time together



(2) Interaction

- ◆Group presentation



- ◆Free time in the afternoon



(2) Interaction

Tell our opinion

- What I wanted to do
- Which place I recommended etc.



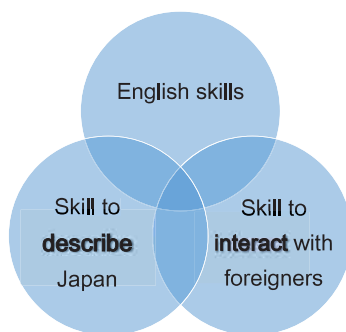
ANU students expressed their opinions more than Japanese students do.



What I learned

English skills are
NOT
everything!

What I learned



UTokyo/ANU Exchange in Canberra/Kioloa

UTokyo/ANU Exchange in Canberra/Kioloa

Cultural Landscapes and Environmental Change



Field Trip

National Museum of Australia
National Botanic Garden
Lake George
Coastal wetland

1. Lecture and Field Trip

- Interdisciplinary approaches of issues through the five senses
- Interests in unfamiliar subjects
- Authentic English



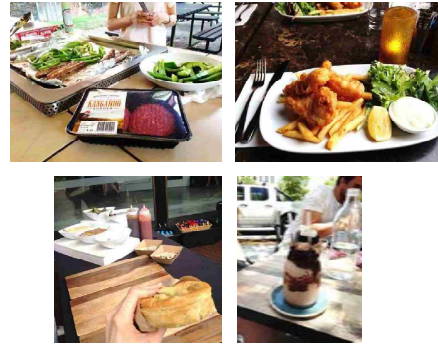
2. Assignment

- **Reflective Journal**
DIEP strategy, confront my true feelings, critical and persuasive paper
- **Story Map**
record of the trip, academic presentation
- **Group Presentation**
solid structure of presentation



3. Interacting

- **Humanities and science students**
various knowledge
- **Everyday conversation, Friendship**
express my feelings spontaneously
- **Attitude toward the class**
have own opinions, reply to inquiries
- **Open my heart, Share my thoughts**
greeting, gratitude, slang words, clear refusal

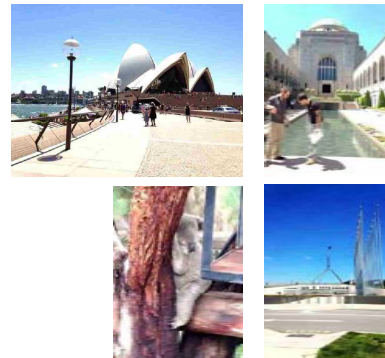
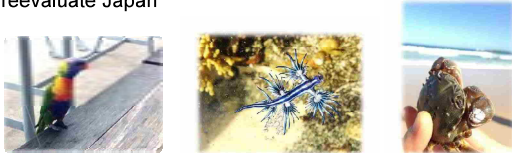


Food

Kangaroo meat
Fish and chips

4. Visiting various sites

- **Better understanding of the lectures**
- **Similarities and differences**
reevaluate Japan



Visiting various sites

Opera House
Australian War Memorial
National Zoo and Aquarium
Parliament House

UTokyo/ANU Exchange in Canberra/Kioloa

Cultural Landscapes and Environmental Change



Strategic Partnership with Sweden

- Country-based Collaboration through Cross-departmental Projects -

Graduate School of Education

Graduate School of Frontier Sciences

Graduate School of Engineering

Graduate School of Agricultural and Life Sciences

The University of Tokyo

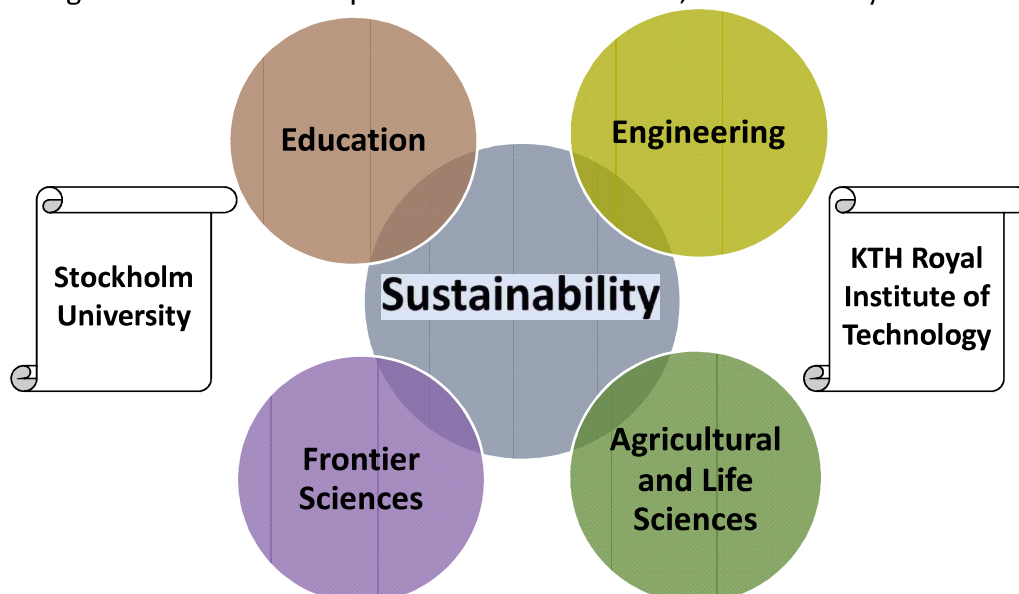
March, 14, 2016

UTokyo

Cross-departmental Collaboration in UTokyo Strategic Partnership-Sweden(SGU-Sweden)

Kick-off meeting (Jun. 2015)

General agreement on cross-departmental collaboration , “Sustainability” as a common theme



Sweden

Partners Complementing Each Other in Stockholm

Stockholm University

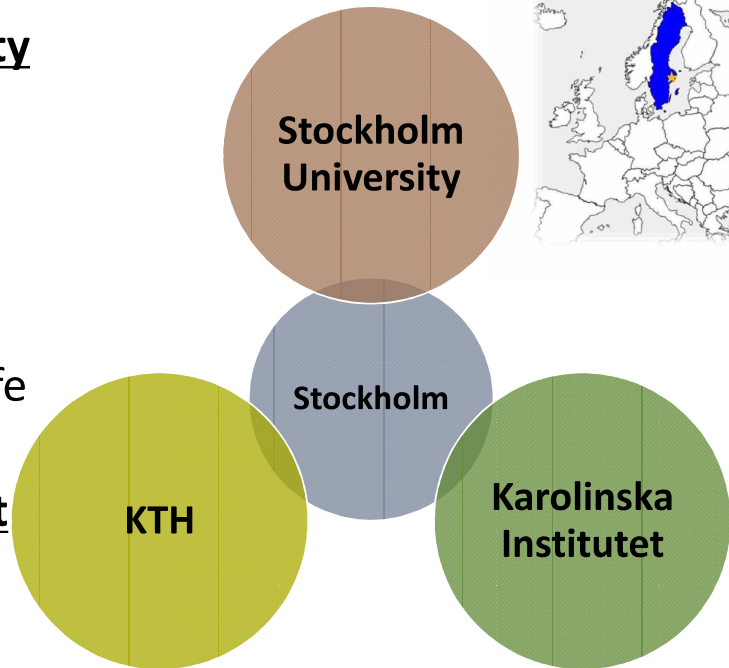
- Education

KTH Royal Institute of Technology

- Engineering
- Agricultural and Life Sciences

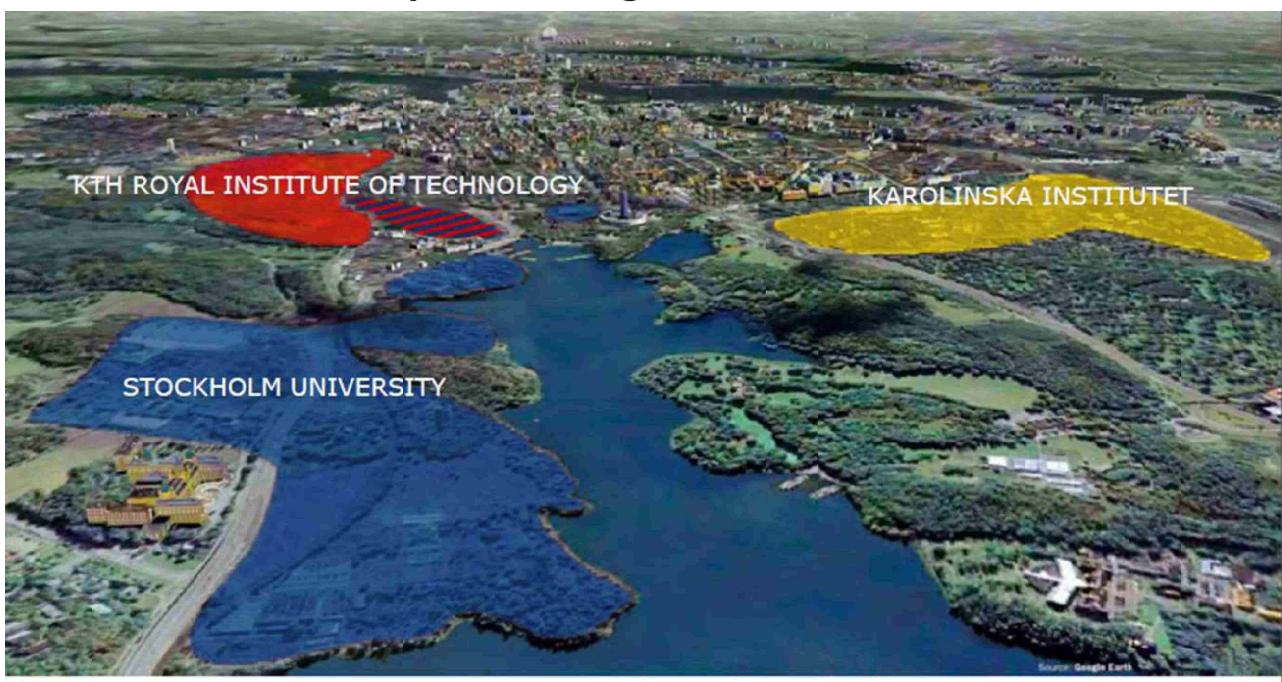
Karolinska Institutet

- Medical Sciences



Sweden

Partners Complementing Each Other in Stockholm



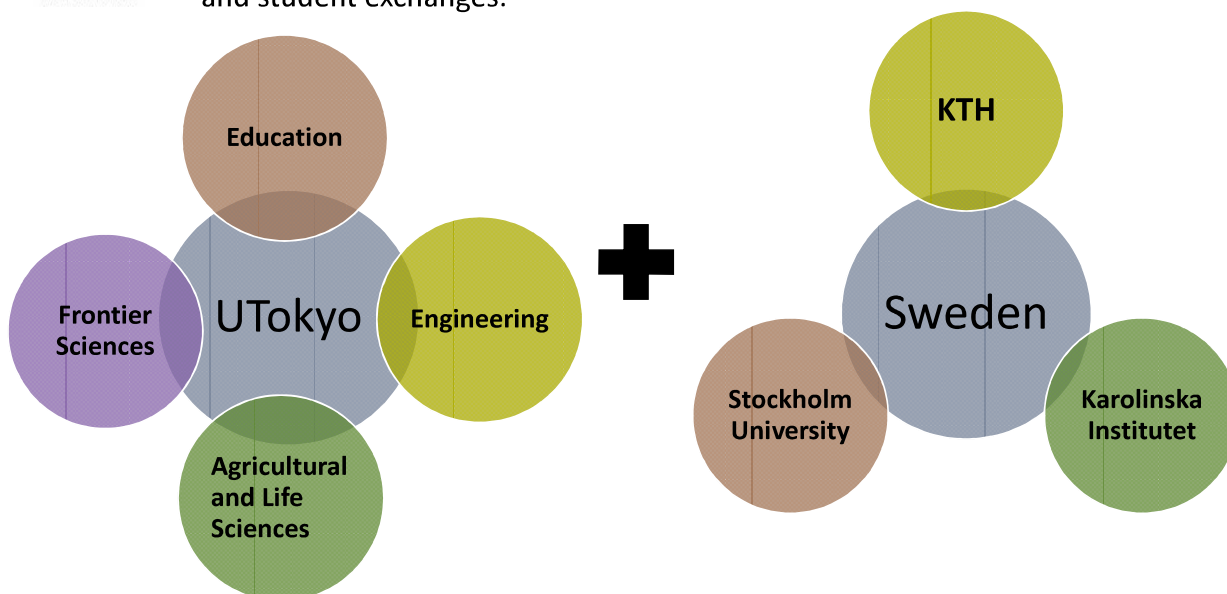
Stockholm University <http://www.su.se/english/about/events/orientation-week/orientation-day/orientation-day-presentations>

UTokyo Strategic Partnership-Sweden

Country-based Partnership with Leading Universities



All graduate schools work together in collaboration with the leading universities in Sweden to develop a strategic partnership through research collaborations, education for young researchers, and student exchanges.



Collaboration in Progress

UTokyo and Sweden

- 1 SGU-Sweden kick-off meeting (Jun. 2015)**
General agreement on cross-departmental collaboration , “Sustainability” as a common theme
- 2 KTH President visited UTokyo (Oct. 2015)**
Proposed SGU-Sweden alliance, KTH as a coordinator on Sweden side (Host: Graduate School of Engineering)
- 3 Japan Sweden University Presidents’ Summit (Oct. 2015)**
General agreement by the presidents on closer cooperation with Japanese universities starting from the existing partnerships (Host: Embassy of Sweden, Nagoya Univ.)
- 4 International Symposium at UTokyo (Nov. 2015)**
Invited presenters from the partners (Host: Graduate school of Frontier Sciences)
- 5 Joint International Seminar at Stockholm University (Feb. 2016)**
Research presentations by students and faculty members (Host: Graduate School of Education, Stockholm Univ.)
- 6 Discussions on official agreement on strategic partnership (Jun. 2015 - Feb. 2016)**
Discussions on an official agreement on strategic partnership between SGU-Sweden and Sweden

Graduate School of Education

Partner: Stockholm University, Faculty of Education

Joint International Seminar in Stockholm (Mar. 2015)

- “Education in the Era of Globalization”
- 22 undergraduate and graduate students and 2 faculty members from the Graduate School of Education

Study Tour in Stockholm (Mar. 2015)

- 22 undergraduate and graduate students from the Graduate School of Education (6 days)

International Symposium at UTokyo (Nov. 2015)

(Host: Graduate School of Frontier Sciences)

- “4th GPSS-GLI International Symposium”
- Invited a presenter from Stockholm University

Open Lecture at UTokyo (Nov. 2015)

(Host: Graduate School of Education, Center for Excellence in School Education)

- “Sustainable Education in Sweden”
- Invited a lecturer from Stockholm University



Graduate School of Education

Partner: Stockholm University, Faculty of Education

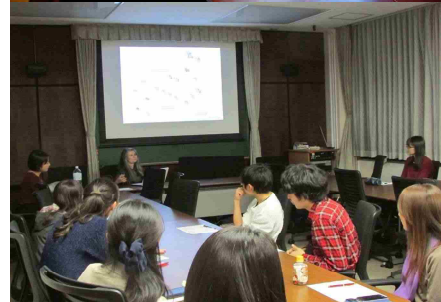
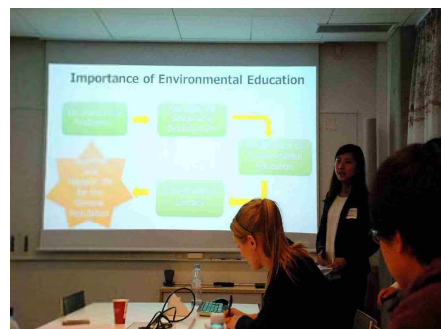
Joint International Seminar in Stockholm (Feb. 2016)

- “Education in the Era of Globalization”
- 29 undergraduate and graduate students and 2 faculty members from the Graduate School of Education

Study Tour in Stockholm (Feb. 2016)

- 25 undergraduate and graduate students from the Graduate School of Education (6 days)
- 1 graduate student joined from the Graduate School of Agricultural and Life Sciences

First outgoing exchange student to Stockholm University at the graduate level (Jan. 2016)



Graduate School of Education

Stockholm University

Start Education Research Collaboration Departments Library About Us

Stockholm University > About Us > Partnerships & Collaborations > Joint International Seminar with University of Tokyo

Academic Ceremonies
Campus
Events
Facts & Figures
News & Press Information
Organisation
Partnerships & Collaborations
Crosstalks
International Exchange
Network Memberships
OpenLab
SciLifeLab
Strategic Partnerships
Swedish Academic Collaboration Forum
University of Illinois

Joint International Seminar with University of Tokyo

On 23-25 February Stockholm University organises a Joint International Seminar "Education in the Era of Globalization: Towards the Realization of Sustainable Future" with University of Tokyo.

In total, 31 students at Master's and PhD level, and five staff members from University of Tokyo participate in the seminar which was opened by Stockholm University Vice-Chancellor Astrid Söderbergh Widding and Associate Professor Yuto Kitamura from University of Tokyo.

Research and education

The seminar focuses on education in a globalised world. The purpose of the seminar is to provide a platform for young researchers to reflect and exchange views on emerging research issues in education in the era of globalization.

The programme during the three days consists of presentations by faculty members, student sessions and a guided tour on campus and in Stockholm.

Stockholm University Vice-Chancellor Astrid Söderbergh Widding and Associate Professor Yuto Kitamura from University of Tokyo

CONTACT
Partnerships and Collaborations
Departments within the areas of Human Science and Science
External Relations and Communications Office
Larger research projects
Student Services

Join: International Seminar between University of Tokyo and Stockholm University
Five staff members and 23 Master and PhD students from University of Tokyo (UoT), Graduate School of Education, visit Stockholm and Stockholm University (SU), Department of Education, visit Stockholm and Stockholm University, for three days to attend a joint international seminar with academic staff, researchers and students from Stockholm University, 9-11 March 2015.

The purpose of the seminar is to provide a platform for young researchers to reflect and exchange views on emerging research issues in education in the era of globalization.

The programme during the three days consists of presentations by faculty members, student sessions and a visit to the Swedish National Agency for Education and to two primary schools in the Stockholm area. The Japanese Master and PhD students will also do a guided tour on campus and in Stockholm led by Stockholm University students.

Second oldest partnership
Cooperation between the University of Tokyo and Stockholm University was initiated already in 1970 and it is the second oldest partnership with a foreign institution. At departmental level an agreement was signed in August 2014 between Department of Education (DE) and Graduate School of Education (GSE).

CONTACT INFORMATION
International Office
External Relations Office
Departments and faculties
Research centres

PARTNER UNIVERSITY OUTRAGE
Follow the link below to view the University's partner university database, which includes agreements on various levels and within a wide variety of programmes.
Explore the partner university database

Stockholm University <http://www.su.se/english/about/partnerships-collaborations/joint-international-seminar-with-university-of-tokyo-1.271986>

Graduate School of Education



Possible collaborations being discussed

- Joint seminars
- Study tours
- Joint lectures in regular classes
- Co-supervising PhD students
- Joint workshops for faculty members
- JSPS postdoctoral fellowship

Graduate School of Frontier Sciences

Partners:

Lund University, Center for Sustainability Studies
Stockholm University, Stockholm Resilience Center

Joint workshops (2013)

- With Lund University and Stockholm University

International symposium (Nov. 2015)

- "GPSS-GLI Developing A New Evaluation Scheme for Sustainability Science Programs in Higher Education"
- Invited a keynote speakers and presenters from SGU-Sweden and the partners in Sweden



GPSS-GLI http://www.sustainability.k.u-tokyo.ac.jp/ja/news_back/2804.html



Graduate Program in Sustainability Science-Global Leadership Initiative
Graduate School of Frontier Sciences, The University of Tokyo
東京大学大学院新領域創成科学研究科
サステナビリティ学グローバルリーダー養成大学院プログラム
5-1-5 Kashiwanoha 平77-8593
Kashiwa, Chiba 277-8593 Japan 千代田市柏区南5-1-5
TEL: 81-4-7136-4877 FAX: 81-4-7136-4878 TEL: 04-7136-4877 FAX: 04-7136-4878

The 4th GPSS-GLI International Symposium "Developing A New Evaluation Scheme for Sustainability Science Programs in Higher Education"

November 20, 2015

Kashiwa-no-ha Conference Center, Kashiwa, Japan

Organized by:

Graduate Program in Sustainability Science - Global Leadership Initiative (GPSS-GLI)
The University of Tokyo

Graduate Program in Sustainability Science - Global Leadership Initiative (GPSS-GLI) is pleased to welcome you to "The 4th GPSS-GLI International Symposium" that we will organize in coming November in Kashiwa City where GPSS-GLI is based.

Graduate School of Engineering

Partner: KTH Royal Institute of Technology

Exchange Program for Global Mechanical Engineers (2014, 2015)

- Joint student project on solar boat
- Education based program: 1 month
- Research based program: 3-10 months

Seminars and intensive lecture series at UTokyo (2014, 2015)

- Intensive lecture series "Fluid mechanics in small systems" by Professor Gustav Amberg, KTH (Jun. 2015)
- Invited speakers from KTH for 3 seminars

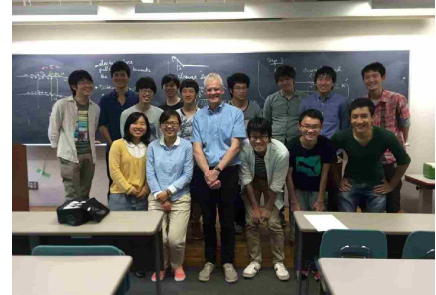
Faculty workshop at KTH (2014)

Sabbatical leave in KTH(2014)

Frequent student exchanges and research exchanges (-2015)

Nano Bio First International Symposium at UTokyo (2012)

- President of Karolinska Institutet as a keynote speaker
- Professor Kazunori Kataoka as a core researcher in the project supported by FIRST program(2009-2014)



Graduate School of Agricultural and Life Sciences

Partner: KTH Royal Institute of Technology

International Seminar in Japan (Nov. 2014)

- “Structure/function studies of biomass-degrading enzymes at SLU, Uppsala, Sweden”
- Invited a speaker from Swedish University of Agricultural and Sciences

2 seminars and 2 invited lectures at KTH (-2015)

Prof. Akira Isogai won 2015 Marcus Wallenberg Prize in Sweden

- Energy-saving method

Workshop at Stockholm University (Sep.2015)

“Sweden-Japan Workshop of Radioecology for Students”

Graduate students from the Graduate School of Agricultural and Life Sciences (6 days)



Opportunities for Future Collaboration



UTokyo and Sweden



- Joint symposiums
- Joint faculty development
- Further collaboration in educational programs
- Co-supervising PhD students
- Joint lectures



GME Program: Overview



(Exchange Program for Global Mechanical Engineers (GME))

Student exchange program with key universities in Europe and USA started in FY2013, with main financial support by **JASSO** (Japan Student Services Organization).

- **Departments:** Mechanical Engineering, Precision Engineering, Systems Innovation
- **Target:** Master's & PhD students (with Japanese nationality or permanent residency)
- **Duration of visits:** 1-12 months
- **Partner Universities :** KTH, EPFL, Rice University
- **Requirements:** Evaluation of English skills, Transcripts, Income regulations (according to JASSO rules)
- **Number of students:** 10~15 (sending) & 10~15 (receiving)

1

GME Program: Various types



【Program types】

2 types of sub-programs (Research program & Educational program)

- **Research Program:** Research project at the host labs (3-10 months)
- **Educational Program:** UTokyo-KTH-joint solar boat project (1 month)
: Lectures at UTokyo given by KTH faculties.

【Data from FY2014-2015】

	Sending				Receiving		
	Educational	Research			Educational	Research	
	KTH	KTH	EPFL	Rice	KTH	KTH	Rice
FY2014	3	3	4	0	9	2	2
FY2015	4	3	3	2	8	2	1

2

Research Program

- The coordinators assist finding the host researcher/lab
- Students are encouraged to visit industries
- So far, more “sending” than “receiving”.
- Typical schedule:

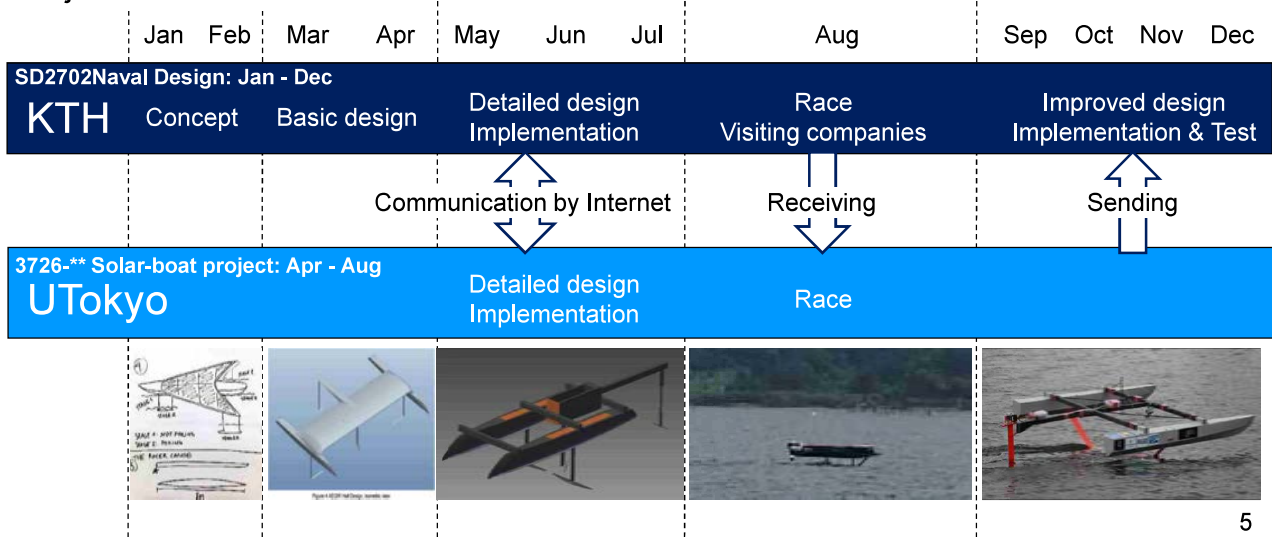


3

Solar boat project: Overview

- Students of KTH and UTokyo design together an **autonomous solar-powered boat** by online communications and sharing their digital data (April-July). Then they **meet face-to-face in UTokyo and manufacture the boat together for the race in Biwa-lake** (August). UTokyo students visit KTH after the race.
- Faculties of KTH and UTokyo encourage and assist their students in a pedagogical project of each university.

Project schedules



5

Solar boat Project: Outcome

FY2014



FY2015



Data of student exchange and staff mobility

Year		2013	2014	2015
Students exchange	KTH->UTokyo	13	9	8
	UTokyo->KTH	2	3	4
Staff mobility	KTH->UTokyo	1	2	2
	UTokyo->KTH	1	0	1

- Real (intensive) interactions by building boats together brings outcomes far beyond remote/verbal interactions.



Guest lectures

By Prof. Gustav Amberg,
(Vice President of faculty development and gender equity)

Topic: Fluid mechanics in small systems:

Through the four lectures the participants will be active in responding to questions and discussing topics. Suitable preparation for each lecture is to briefly review the pages from Tabelings' book that is listed under each lecture.

6/9 Lecture 1

Overview of basic fluid mechanics. The Navier Stokes equations in incompressible flows. Small Reynolds number flows.

6/12 Lecture 2

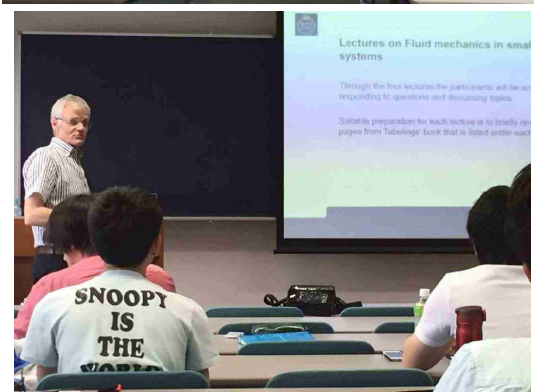
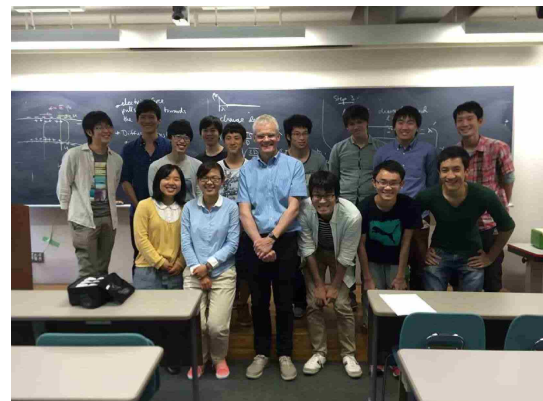
Droplets and bubbles. Surface tension on a liquid interface. The physical origin of surface tension. Nondimensional numbers that characterize surface tension effects.

6/16 Lecture 3

How surface tension can cause fluid flow, thermocapillarity and solutocapillarity. Wetting, i.e. how a droplet spreads over a dry surface.

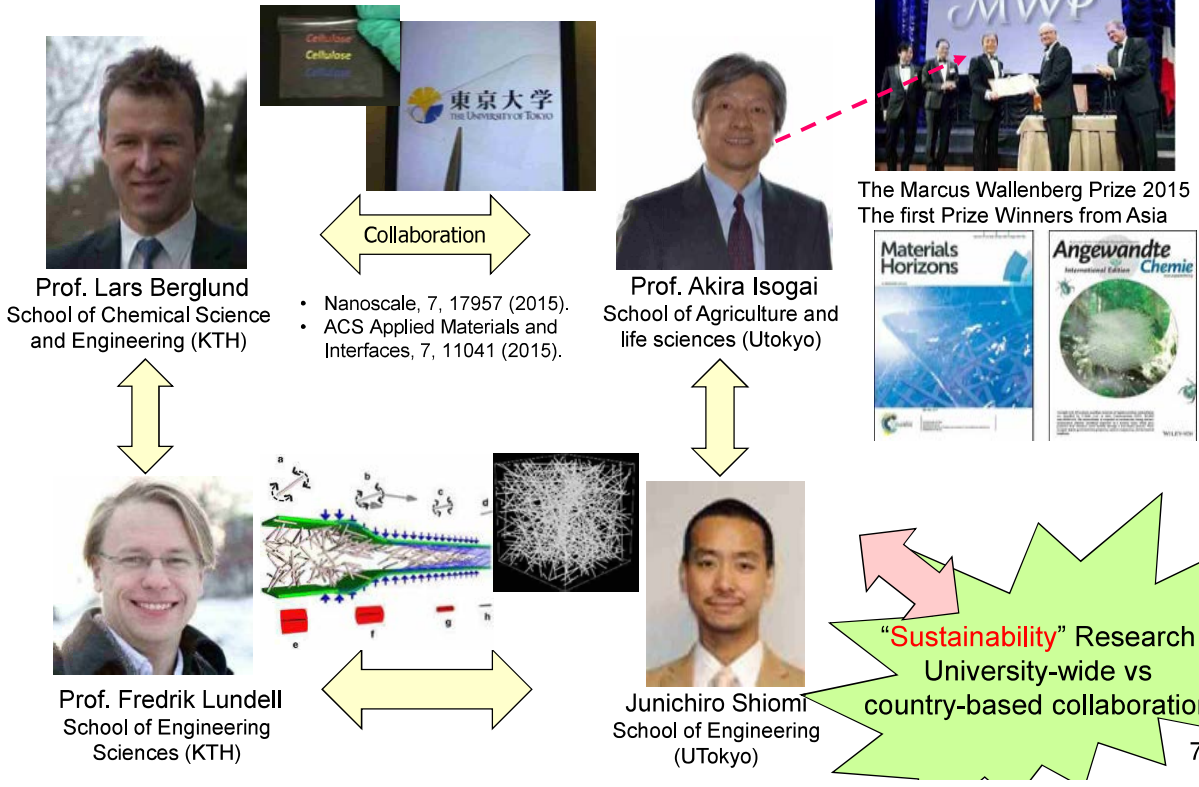
6/19 Lecture 4

Electric fields can drive fluid flows. Electrokinetics as a way to move fluids in microsystems.



University-wide research collaborations

Eg. Development of high performance nanocellulose fibers



What I Learned in Stockholm

Yoshihiko ISHIMARU
Master Student 1st year
Division of Basic Theories of Education,
Graduate School of Education

Before the Program

My Reason for application

- To learn about diversity / citizenship
- To make a presentation in an “international symposium”
- To visit Sweden

Images of Sweden

- Welfare state (High tax, high assurance)
- Comfortable for (religious / sexual) minority
- Lots of Immigrants
- Woods and Lakes



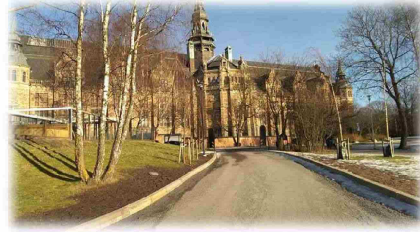
Student Session



School Visit



What I Learned



- Discussions on diverse subjects
(e.g. poverty, immigrants, environment, “the social”...)
 - The atmosphere of Stockholm and its residents
Support for minority, Kind people...
 - English
- Stimulating experience

Thank You!





Strategic Partnership with the University of Bonn

Kensuke Okada

International Program in Agricultural Development Studies (IPADS)
Graduate School of Agricultural and Life Sciences



The University of Bonn



- ❖ Rheinische Friedrich-Wilhelms-Universität Bonn was founded in 1818. One of Europe's most important institutes of higher education. The university has 544 professors and 32,500 students.
- ❖ Located in Bonn, the capital of the country from 1949 to 1990. Now the city is still the home of some ministries and the organizations related to the United Nations, e.g., UN University, UNESCO, UNEP, with which the University of Bonn has strategic cooperation.
- ❖ Having "ABC" collaboration with RWTH Aachen University and the University of Cologne in the same North Rhine-Westphalia state.



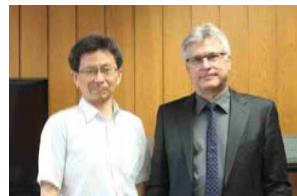
Center for Development Research (ZEF)

- ❖ ZEF, having started in 1997, aims to find science-based solutions to development-related issues. Institute started in 1997.
- ❖ ZEF has three research departments (a) Economic and Technological Change, (b) Political and Cultural Change, (c) Ecology and Natural Resources Management, conducting inter- and trans-disciplinary research in, for and with emerging economies and on global issues.
- ❖ Educates doctoral students from all over the world in its Doctoral Studies Program.
- ❖ Ranked **3rd** in in the “Global GO TO Think Tank Index Report 2015” in Science and Technology category (ranked after Max-Planck and Information and Technology Foundation (US)).
- ❖ Both IPADS of UTokyo and ZEF of UBonn are pursuing the researches and education for the agricultural development in the developing countries.



Accomplishment in 2015

- ❖ Lecture by Prof. Manfred Denich at UTokyo (27 May).
- ❖ **Joint lectures** at UBonn (transmitted to UTokyo). Profs. Kazuhiko Kobayashi (9 October), Seishi Ninomiya (26 October), Kensuke Okada (18-22 January), and Taro Takahashi (25-29 January).

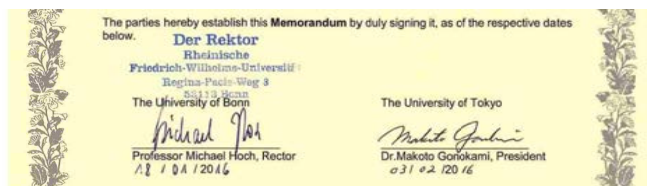


- ❖ **International Joint Program** at UTokyo (6 UBonn students). Crop modeling and field practice (12-20 March).



Accomplishment in 2015

- ❖ **MOU** on Academic Exchange between the University of Tokyo and the University of Bonn was signed in February 2016.



- ❖ **Departmental Agreement** on Student Exchange between Graduate School of Agricultural and Life Sciences, the University of Tokyo and Center for Development Research, the University of Bonn was signed in February 2016.

Accomplishment in 2016

- ❖ **Continuing lecture exchange**
- ❖ **International Symposium** between UBonn and UTokyo



Vietnam National University, Hanoi (VNUH)

- VNUH is one of the leading universities in Vietnam.
- The Vietnam-Japan University (VJU) has been prepared jointly with VNUH and Japanese universities including UTokyo.
 - UTokyo joins the master programs of “Infrastructure Engineering,” “Environmental Engineering,” and “Area Studies” in VJU.
- Under the “Strategic Partnership UTokyo Program,” two activities have been implemented: “On-site Education Program on Analytical Chemistry” and “Japanese/Vietnamese Studies.”

Main Campus of VNUH



Master Program Introduction Ceremony of VJU in December 2015



On-site Education Program on Analytical Chemistry (OEPAC) in VNUH

Goals of Program

1. Communication of higher education among two universities, which potentially contributes to university, industry, and society;
2. Joint education for many students at department level;
3. Enhancement of academic quality through mutual understandings of social background in higher education in both countries; and
4. Contribution to local employment and industries from Japan by collaborative education program organized by a partnership of industry and university

Unique Characteristics of Program

- Existing students experiment program on analytical chemistry in the Faculty of Engineering, UTokyo is exported to the VNUH
- Local curriculum is jointly developed reflecting local educational background.
- Experimental equipment and practical education skills are supported by industries from Japan.
- Engineering textbook made by UTokyo is applied to the program.
- Professors emeritus proactively contribute to the program.

Achievements and Next Stage in OEPAC

Achievements in FY2015

Three visits from UTokyo to VNUH and Invitation from VNUH to UTokyo in FY2015

- Discussions among professors unveiled big differences about educational goals between two universities:
 - UTokyo highlights educating fundamental principles vs. VNUH highlights mastering practical skills.
- Curriculum and syllabi have been successfully developed.
- Implementation plan has been finalized.

Additional achievement

- Japan Analytical Instruments Manufacturers' Association (JAIMA) have formally determined the support to this program.

Implementation Plan in FY2016

Three visits from UTokyo to VNUH and Invitation from VNUH to UTokyo in FY2016

- Preparation of students experiment program on analytical chemistry
- Start of pilot education program
- Further extension to Yangon, Myanmar

Promotion of International Education & HR Development with Yangon Technological University (YTU), Myanmar



Kimiro Meguro

Professor, Institute of Industrial Science

Director, International Center for Urban Safety Engineering (ICUS)

Top Global University Project

Promotion of International Education & HR development

■ Counterpart University: Yangon Technological University (YTU), Yangon, Myanmar

◆ History

1924	Began as Department of Engineering under the University of Rangoon
1942 – 1945	Closed during WWII
1964	Became an independent professional university
2001 – 2011	Undergrad students were not admitted
2012	YTU reopened

◆ 12 Engineering Departments:

Civil, Mechanical, Electrical Power, Electronic, Information Technology, Mechatronic, Chemical, Textile, Mining, Petroleum, Metallurgical & Materials Sciences, Architecture

◆ Total 1,817 students (2015)

Undergraduate:	1,142
Graduate:	507
PhD:	168



YTU campus (<http://ytu.edu.mm/>)



YTU Main building

Top Global University Project

2

■ Main Activities by the UTokyo Researchers:

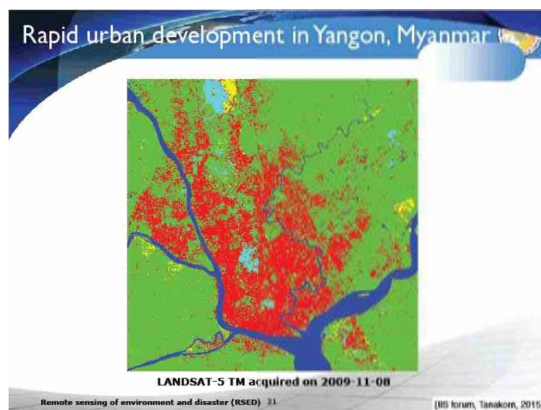
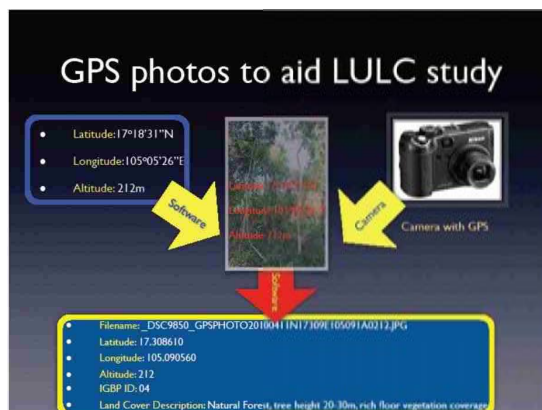
1. For the educational advancement of **YTU students**
 - ◆ **Conducted lectures to YTU students**
 - Takeuchi Laboratory (RS/GIS)
 - Sekimoto Laboratory (Transportation)
 - ◆ **Facilitated workshop at YTU and conducted site survey**
 - Dr. Bhattacharya (Urban Planning – Kato Lab)
2. For the educational advancement of **UTokyo students**
 - ◆ **Invited YTU PhD candidate to support research activities of UT students**
 - Dr. Kawasaki (Water & River Basin Environment Laboratory)

1. For the educational advancement of YTU students

■ Lecture (1)

Takeuchi Laboratory (RS/GIS) (1)

- Date: 7-8 June 2015
- Theme: **Photogrammetry and remote sensing: Geo-spatial database for land cover mapping**
- Participants: 20 YTU students
- Course detail: 3 x 2-hr course



Slides from the lecture

1. For the educational advancement of YTU students

■ Lecture (2)

Takeuchi Laboratory (RS/GIS) (2)

- Date: 7-8 March 2016
- Theme: **3D terrain and building mapping of Yangon by remote sensing**
- Participants: 20 YTU students
- Course detail: 3 x 2-hr course
 - Lecture 1) 3D terrain and building mapping with satellite image
 - Training 1) 3D terrain and building data visualization with GIS 3D
 - Training 2) building data measurements by smart phone
- Course Goal:



- Provide the student a basic understanding of the science and technology of remote sensing
- Enable the student to understand how to generate 3D terrain and building map from remote sensing
- Enable the student to carry out field data collection to validate 3D terrain and building map from remote sensing

1. For the educational advancement of YTU students

■ Lecture (3)

Sekimoto Laboratory (Transportation)

- Date: 7 May 2015
- Theme: **Technical detail of PFLOW from CDR**
- Participants: 15 YTU students
- Duration: 2 hrs



Discussion with Mahtatha (2/2)

- Possibility to set smartphone or GPS on each bus for long-term daily road congestion monitoring by our SATREPS research.
- They are very positive with monitoring system (of 6,000 buses). Also they need a permission from regional governmental office of MORT.

Bus monitoring system image

Slides from the lecture

1. For the educational advancement of YTU students

■ Workshop

Dr. Bhattacharya (Urban Planning – Kato Lab) (1)

- Date/Venue: 10:00-13:00, 10 December 2015, YTU
- Theme: **Disaster Risk Workshop**
- Participants: 10 YTU students & faculties, YCDC, MES
- Facilitating the workshop at YTU with Urban Planning and Architecture students regarding their understanding of the city of Yangon and what is important in considering disaster risk



Discussion during the workshop at YTU

1. For the educational advancement of YTU students

■ Survey

Dr. Bhattacharya (Urban Planning – Kato Lab) (2)

- Date: 11 -13 September 2015
- Theme: **Survey in Yangon city**
- Objective: To identify building types and area characteristics
- Surveyed area: Squatter Clearance and Resettlement Programme – Hlaing Tha Yar (redeveloped around 1985) • Yankin area • CBD • Redevelopment site on 50th st. • Wealthy neighborhoods • New high-end development – Star City • Dagon City Plan • Development Plans for Greater Yangon Area



Most common type of structure: RC+brick

2. For the educational advancement of UTokyo students

■ International educational exchange

Dr. Kawasaki (Water & River Basin Environment Lab)

- Duration: April 2015 - March 2016
- Assistant: Ms. Shelly Win, PhD candidate, YTU



- Contributed in promoting international education and research of UT students studying in Myanmar by;
 - supporting field survey by UT students about flood disaster as an **interpreter** and **data collector** in a rural flooded area in Bago basin, Myanmar
 - supporting UT students during the UT students' stay in Myanmar including cultural exchange
 - deepening the relationship between UT and YTU, especially in student level

ANNEX

ANNEX:

1. Lecture (June 2015) by Dr. Takeuchi:
"Photogrammetry and remote sensing"
2. Lecture (March 2016) syllabus by Dr. Takeuchi
3. Lecture (May 2015) by Dr. Sekimoto:
"Technical Detail PFLOW from CDR"
4. Survey (Dec 2015) report by Dr. Bhattacharya

Strategic Partnership Project UC Berkeley / UTokyo

The Second UTokyo Strategic Partnership Symposium

March 14, 2016

Toshitake Kohno

Graduate School of Mathematical Sciences

Kavli IPMU

Overview

Mathematics and Physics



Promoting world-class, cutting-edge research and new interdisciplinary education system beyond traditional boundary of fields in collaboration with UC Berkeley.

Social Science

The Institute of Social Science



Creating networks with UC Berkeley in the field of political science and other fields of social science.

Engineering

School of Engineering



Collaborations in the field of energy and radiological resilience.



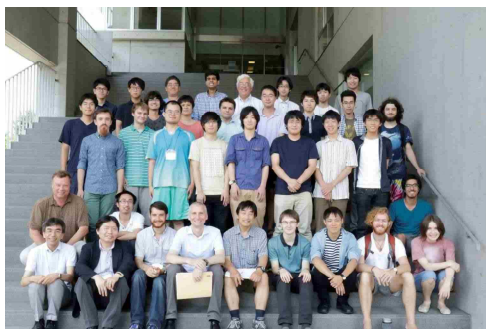
<http://utokyo.ucberkeley.jp/en/index.html>

Summer School and Winter School

Tokyo-Berkeley Summer School
"Geometry and Mathematical Physics"
Kavli IPMU, UTokyo
July 21 -- 31, 2015

Lecturers :
Kentaro Hori, Akishi Ikeda, Mikhail Kapranov
Kyoji Saito, Yukinobu Toda, Todor Milanov
David Morrison, Nicolai Reshetikhin
Masahito Yamazaki

Participants :
5 students from UC Berkeley
5 students from HSE Moscow
20 students from UTokyo



Berkeley-Tokyo Winter School
"Geometry, Topology and Representation
Theory" UC Berkeley, February 8 -- 19, 2016

Lecturers :
Mikio Furuta (UTokyo), Akito Futaki (UTokyo)
Michael Hutchings (UC Berkeley), Nariya Kawazumi (UTokyo)
Toshiyuki Kobayashi (UTokyo), Vivek Shende (UC Berkeley)
Peter Teichner (UC Berkeley), Joseph A. Wolf (UC Berkeley)

Participants :
20 students from UC Berkeley
20 students from UTokyo



Additional funding :
Japan Student Services Organization (JASSO)
Leading Graduate Course for Frontiers of
Mathematical Sciences and Physics (FMSP)



Intensive Courses



Nicolai Reshetikhin
Professor
UC Berkeley

Introduction to BV quantization
October 13 -- 16, 2015
Graduate School of Mathematical Sciences



Philip B. Stark
Professor and Chair of Statistics
UC Berkeley

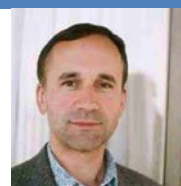
Probability and Statistics for Earth and
Planetary Scientists
August 24 -- 26, 2015
School of Science

These are official courses of UTokyo and
students got credits.

Lecture Series and Joint Activities

Lecture series by Constantin Teleman (UC Berkeley)

- Gauge Theory in 2 and 3 dimensions and categorical representations
December 14, 2015, Kavli IPMU
- The Curved Cartan Complex
December 15, 2015, Graduate School of Mathematical Sciences



Constantin Teleman

Berkeley week @ IPMU

March 22 -- March 25, 2016

We aim to hear several interesting topics in particle physics from young and active researches at both IPMU and Berkeley.

Mathematics

Physics



Seminar by Mina Aganagic at Komaba was broadcasted to Kashiwa Campus.

Lecture by Joonhong Ahn (Department of Nuclear Engineering, UC Berkeley)

"Resilience: A new paradigm of nuclear safety"
Invited lecture at Deans' Forum Workshop at the School of Engineering, UTokyo
November 30 and December 1, 2015.
It has contributed to enhance the intellectual exchange in nuclear and resilience engineering.

Engineering

Lecture by Jack Citrin (UC Berkeley)

"Balancing Unity and Diversity in Modern America: Do National and Ethnic Identities Collide?"
March 16, 2016
Akamon General Research Building

Social Science

Plan for the Next Academic Year

Lecture series : Alan Weinstein (UC Berkeley) "Symplectic Geometry" Kavli IPMU, April 2016

Intensive course : Arthur Ogus (UC Berkeley) "Arithmetic Geometry"

Graduate School of Mathematical Sciences, May 2016

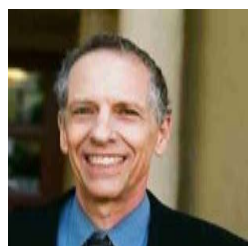
Berkeley-Tokyo Autumn School --- Quantum Field Theory and Subfactors

UC Berkeley, November 14 -- 23, 2016

with the participation of Vaughan F.R. Jones (UC Berkeley, Vanderbilt University)

Tokyo-Berkeley Winter School --- Partial Differential Equations

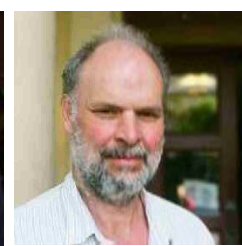
Graduate School of Mathematical Sciences, January 2017



Alan Weinstein



Arthur Ogus



Vaughan F.R. Jones

Department of Nuclear Engineering and Management at UTokyo continuously aims to deepen cooperation in a wide range of fields such as international cooperative education and research with UC Berkeley.

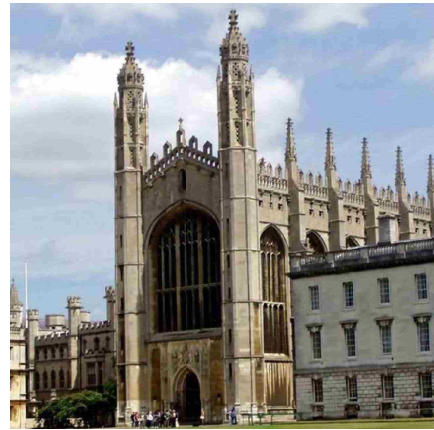
ISS is planning to invite other professors in the next academic year and also to send our young researchers to Berkeley.

The Second UTokyo Strategic Partnership Symposium

第2回 戦略的パートナーシップシンポジウム

Monday, March 14th, 2016

The University of Tokyo



University of Cambridge

Strategic Partnership UTokyo-Cambridge



Graduate School of
Pharmaceutical Sciences

Biochemistry,
Genetics,
Molecular Biology,
Neuroscience,
Chemistry

Cambridge Institute for
Medical Research (CIMR)

Department of Chemistry

Graduate School of Engineering

Engineering

Department of Engineering

Research Center for Advanced
Science and Technology (RCAST)

Interdisciplinary
Studies

Clare Hall

Graduate School of
Mathematical Sciences

Mathematics

Department of
Pure Mathematics &
Mathematical Statistics



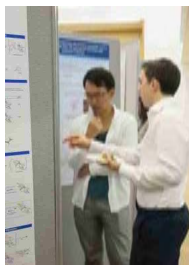
Joint Symposium on Nov. 23, 2015

1. Two lectures by professors of both institutes focused on graduate education utilizing cooperation network with the industry
2. A round table open discussion on future student exchange, summer programs and human resource development

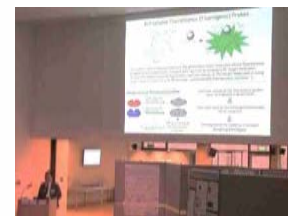
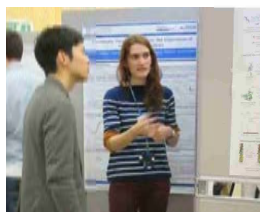


Graduate School of Pharmaceutical Sciences, UTokyo
Cambridge Institute for Medical Research (CIMR), Cambridge
Dept. of Chemistry, Cambridge

Joint Science Workshops on Nov. 23-24, 2015



Poster session



10 PI Talks



Joint Science Workshop on Nov. 23-24, 2015



Research Center for Advanced
Science and Technology (RCAST),
UTokyo
Cavendish Laboratory, Cambridge

Joint Workshop on Quantum Nanostructures



University of Cambridge – The University of Tokyo Joint Workshop on Quantum Nanostructures

Monday, 23 November 14:00 ~ 17:30
Seminar Room 531, Cavendish Laboratory

Programme

- 13:55 Opening
- 14:00 *Quantum Light Sources Using InAs Quantum Dots*
David Ritchie (Professor, Head of Semiconductor Physics Group)
- 14:20 *Quantum Dot Growth Technology by MBE for Advanced Photovoltaics*
Yoshitaka Okada (Professor, RCAST)
- 14:40 *Single-Electron Ping-Pong*
Chris Ford (Professor, Cavendish Laboratory)
- 15:00 *Tailoring Optical Absorption and Emission in Solar Cells Using Quantum Semiconductor Heterostructures (Invited)*
Ned Ekins-Daues (Senior Lecturer, Imperial College London)
- 15:20 Coffee break
- 15:40 *Photocurrent Kinetics in Quantum Dot Superlattice*
Ryo Tamaki (Assistant Professor, RCAST)
- 16:00 *Investigating Quantum Phenomena in Nano-Structures*
Charles Smith (Professor, Cavendish Laboratory)
- 16:20 *Fingerprint of Kondo Resonance in Co-TPP Molecule Coupled to CuN Atomic Layer: A Combined LT-STS and DFT-NEGF Study*
Tomah Sogabe (Associate Professor, RCAST)
- 16:40 Closing
- 17:00 Lab. Tour



Graduate School of Mathematical Sciences, UTokyo
Dept. of Pure Mathematics & Mathematical Statistics (DPMMS),
Cambridge

Cambridge-UTokyo mini-workshop on Nov. 23, 2015



13:30 ~ 14:30

Yoshinori Gongyo (UTokyo)

Title: Rational points on log Fano threefolds over a finite field



16:30 ~ 17:30

Sho Ejiri (UTokyo)

Title: Weak positivity theorem and Frobenius stable canonical rings
of geometric

15:00 ~ 16:00

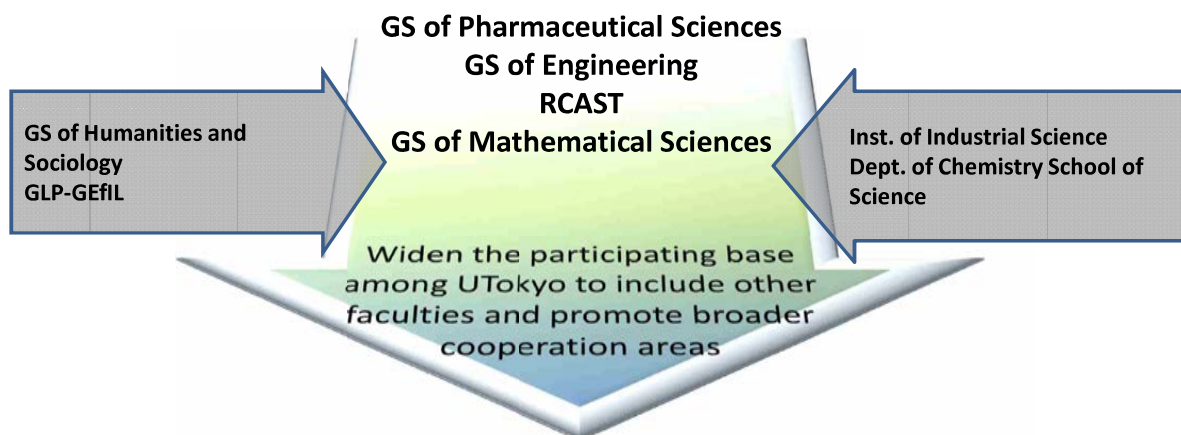
Roberto Svaldi (Cambridge)

Title: Adjoin dimension of foliations



Future Prospects

- In addition to the UTokyo's core 3 graduate schools and 1 research institute, professors from various departments of UTokyo as well as Cambridge, participated in Cambridge-UTokyo Joint Symposium, resulting in valuable exchange of views facing current academic and educational issues.



- It is core graduate schools and research institute that will advance the depth of cooperation through relevant research project.

Future Prospects

- 2016 academic year programs

Graduate School of Pharmaceutical Sciences

Bilateral exchange of professors and post-doctoral students
with seminar

Graduate School of Engineering

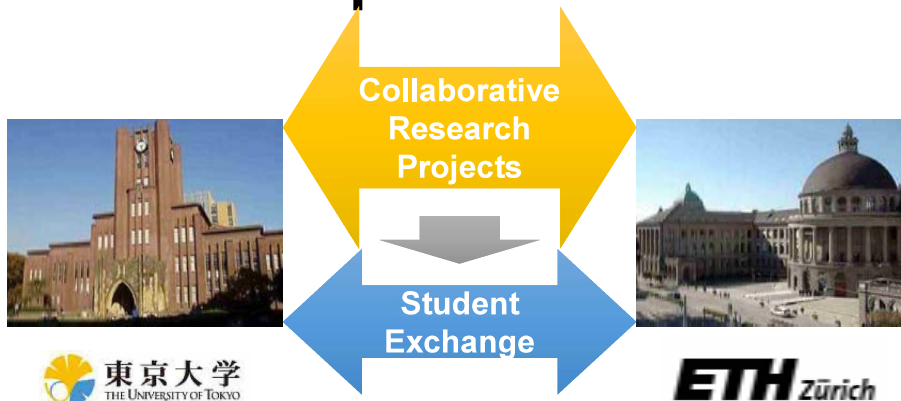
Dean's Forum on 19th and 20th September at Cambridge

Research Center for Advanced Science and Technology (RCAST)

Dispatch a professor as a visiting fellow at Clare Hall
(December 2016 through March 2017)

In conclusion, we are all the more looking forward to furthering
this special relationship with Cambridge.

Establishment of Strategic Partnership with ETH Zürich



Strategic Partnership Agreement was signed off on January 12, 2016

Interaction of Faculty and Administrators



Management Interaction

Ms. Keller, Co-Head of EU grant office, ETH Zürich met President Gonokami and Prof. Furuya, Executive Vice President of UTokyo



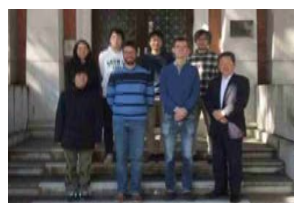
Workshop on Faculty Affairs

The faculty personnel affairs was discussed with ETH Zürich at Swiss Embassy in Tokyo



Staff Interaction

URA and two administrative officers met Chairperson of Department of Physics, Prof. Lilly and a manager



Young Researcher Exchange

A young researcher of ETH Zürich visited



Management Interaction

Ms. Keller, Co-Head of EU grant office, ETH Zürich had a meeting with Prof. Sekimura, Deputy Director General of the Division of International Affairs, and Mr. Ono, Director General, Division of International Affairs



Thesis Committee

Prof. Fukuda of ETH Zürich joined the PhD Defence at UTokyo



Summer School

UTokyo graduate students attended a summer school held at Paul Sherrer Institute, ETH Domain

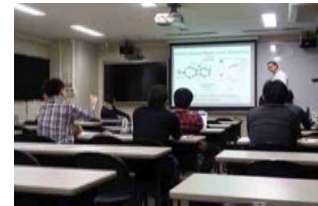


Student Exchange

Doctorate Student of UTokyo stayed two month at ETH Zürich

Exchange of Graduate Students

Feb 3, 2015	Yuta Murakami/D2@UTokyo	Seminar @ETHZ
Mar 2015	Hanna Sumita@UTokyo	Seminar @ETHZ
	Hidefumi Hiraishi@UTokyo	Seminar @ETHZ
Jun 17, 2015	Daniel Reker@ETHZ	3-day seminar@UTokyo
Oct 1-Nov 30, 2015	Kana Yamada@UTokyo	Research@ETHZ
Jan 25-Feb 7, 2016	Haruku Shirahata@UTokyo	Research@ETHZ
Feb 24-Mar 22, 2016	Hidefumi Hirai/D3@UTokyo	Research@ETHZ
Mar 16-23, 2016	Naoto Osaka@UTokyo	Visit@ETHZ
Apr-Jul, 2016	Alzbeta Kubinocova@ETHZ	Research@UTokyo
	Janis Fluri@ETHZ	Research@UTokyo
	Julian Riebartsch@ETHZ	Research@UTokyo



Seminar by Prof. Sauer of ETHZ @UTokyo

Graduate Student Career Development

Apr 2015	Naohiro Terasaka	PhD@UTokyo	→	PD@ETHZ
Summer 2015	Ryo Asakura	UG@UTokyo	→	M@ETHZ
Oct 2015	Richard Obexer	PhD@ETHZ	→	PD@UTokyo
Oct 2015	Gioele Casola	M@ETHZ	→	D@UTokyo
Apr 2016	Matthias Strodkötter	M@ETHZ	→	D@UTokyo

The 2nd UTokyo Strategic Partnership Symposium
14 March 2016



Tsinghua University Team

Ichiro Sakuma
Vice Dean, Graduate School of Engineering

Graduate School of Engineering
Graduate School of Science
Graduate School of Frontier Sciences
Graduate School of Interdisciplinary Information Studies
Institute for Industrial Science
Institute for Solid State Physics

Previous exchange activities

- **University-level events**
 - 1999: Agreement of Academic Exchange
 - 2008: Todai Week at Tsinghua (about 200 members from UTokyo)
 - 2010: Tsinghua Week at Todai (over 170 members from Tsinghua)
- **Student exchange**
 - one to several/year, both directions, continuously
- **Personal to school/institute-level activities in various fields**
 - Lectures, seminars
 - Workshops, symposia (including student workshops)
 - Joint researches, surveys (including stay of graduate students at the counterpart university)
 - Participation of Tsinghua students in UTokyo education program (Summer camp for graduate students)
 - Special PhD program of UTokyo for Tsinghua and Seoul National Univ.

- **Already very strong relation: important partner**
- **Mostly individual activities (person, lab, department...)**

In this project

- Further activation of exchange activities

- **Broadening respective activities**

**Single person, lab, department, field →
multiple persons, labs, departments, fields**



- Deepening the relation between Tsinghua and UTokyo
 - joint research and education involving multiple departments/schools/institutes

- Major activity: joint symposium and satellite events

- Other activities

- Workshops
- Participation of Tsinghua students in a UTokyo summer program
- Special PhD Program for Tsinghua and Seoul Nat'l U.

Major activity in AY 2015: Joint symposium in March 2016

- University-level meetings (March 9)
 - VIP meeting on the future plan of exchange activities
 - Plenary session (speeches of vice presidents and presentations on international activities of respective universities)
- Satellite meetings (trying to involve multiple schools/institutes)
 - 1) **Materials physics, science and engineering (March 9-11)**
Workshops (Grad. Sch. of Eng., Sci. & Frontier Sci., IIS, ISSP, RCAST)
 - 2) **Hydro-Science (March 8)**
Workshop (Grad. Sch. of Eng. & Frontier Sci., IIS)
 - 3) Bioengineering (March 10)
Workshop (Grad. Sch. of Eng.)
 - 4) Precision engineering (March 10)
Workshop (Grad. Sch. of Eng., IIS, RCAST)
 - 5) Disaster Prevention (March 9)
Workshop (IIS)
 - 6) Architecture (March 9, 10 and 14)
Lectures (IIS and Grad. Sch. of Eng.)

Other workshops in AY 2015

- Joint Symposium “Beyond the Wall III: Smart Asia” (Oct. 2015, Beijing) between Grad. Sch. Interdisciplinary Information Studies, UTokyo and Sch. Journalism and Communication, Tsinghua
- Student and Faculty Workshops on Advanced Materials for Sustainable Society (Oct. 2015, Beidaihe, China) between Grad. Sch. Eng., UTokyo and Sch. Mater. Sci. Eng., Tsinghua (with Seoul National Univ.)
- The second Round Table on Pre-modern History of East Asian Architecture (Nov. 2015, Beijing) between Inst. Industrial Sci., UTokyo and Sch. Architecture, Tsinghua
- Student Workshop (Jan. 2016, Tokyo) between Grad. Sch. Eng., UTokyo and Shenzhen Grad. Sch., Tsinghua - **various fields in Engineering** (aero & astronautics, control, precision, materials, mechanical, electrical, biomedical)

Future plan (in AY 2016 and later):

may be updated after the discussion on 9 March

- 2nd joint symposium at Tsinghua
 - With satellite events, including Departments/Institutes in humanities
- Meetings in respective fields
- Mutual offer of education programs
 - Invitation to summer programs
 - Discussion on the possibility of joint programs
- Activating joint researches
 - Long stay of UTokyo professor in Tsinghua during a sabbatical leave
 - Stays of graduate students
- Not only further activating exchange activities, but also broadening them: Single person, lab, department, field → multiple persons, labs, departments, fields
- Deepening the relation between Tsinghua and UTokyo both in research and education

STRATEGIC PARTNERSHIP BETWEEN SNU AND UTOKYO

Shigeto Sonoda

Deputy Director General, Division of International Affairs

Professor of Sociology and Asian Studies, Graduate School of Interdisciplinary Information Studies &
Institute for Advanced Studies on Asia

Strategic Partnership Projects with SNU

- ▶ Graduate Schools for Law and Politics
- ▶ Graduate School of Engineering
- ▶ Graduate School of Public Policy
- ▶ Research Center for Advanced Science and Technology
- ▶ Graduate School of Interdisciplinary Information Studies
- ▶ Graduate School of Mathematical Sciences
- ▶ Institute of Industrial Science
- ▶ Graduate School of Agricultural and Life Sciences
- ▶ Graduate School of Medicine
- ▶ Policy Alternatives Research Institute

10 Schools/Institutes/Centers

- Workshops
- Double degree
- Summer programs
- Symposiums
- Joint research
- Joint courses, etc.
- Faculty exchanges
- Student exchanges

University-wide Activities with SNU

- 2014/4/14 Opening of the “Seoul National University UTokyo Office”
- 2014/6/3 Opening of the “ The University of Tokyo SNU Office”
- 2015/2/17 Visit from the President of SNU
- 2015/8/3 SNU-UTokyo Joint Summer Program in Tokyo
- 8/12 • Participants: 15 SNU students & 11 UTokyo students
 - Activities: 5 academic lectures, 5 fieldtrips to public/private sectors, final group presentation, etc.
- 2015/11/6 SNU-UTokyo Strategic Partnership Meeting
- VP of Int'l Affairs and counterparts of SNU as well as project representatives from UTokyo side attended



Future Plans

<Departmental-level>
Continue and broaden
activities

<University-level>
1. Presidents' meeting
2. Joint Summer Program

Stronger
partnership



Strategic Partnership between PKU and UTokyo

TAKAHIRO NAKAJIMA

PROFESSOR OF INSTITUTE FOR ADVANCED STUDIES ON ASIA



Strategic Partnership Projects with PKU

- ▶ Graduate Schools for Law and Politics
- ▶ Graduate School of Arts and Sciences
- ▶ Graduate School of Engineering
- ▶ Institute for Advanced Studies on Asia
- ▶ Graduate School of Public Policy
- ▶ Graduate School of Mathematical Sciences



6 Schools and Institutes



Strategic Partnership Projects with PKU

- ▶ School of International Studies
- ▶ International Center for Critical Theory
- ▶ College of Chemistry and Molecular Engineering
- ▶ Graduate School of Arts and Sciences
- ▶ Graduate School of Engineering
- ▶ Department of Mathematics, School of Mathematical Sciences



北京大學
PEKING UNIVERSITY

6 Schools and Centers

Strategic Partnership Projects with PKU

- Workshops
- Symposiums
- Faculty exchanges
- Double degree
- Joint research
- Student exchanges
- Summer programs
- Joint courses
- Joint degree Program
- Staff exchanges , etc.

University-wide Activities with PKU

2015/3/2 Signing of the Memorandum of Strategic Engagement

2015/7/27 PKU Senior Administrators' Training Program

-7/28

Meeting between 20 delegation members from PKU and UTokyo members



The First PKU-UTokyo Winter Institute 2015

Dates: January 5 to 15, 2016

Venue: IASA

Theme: Critical Theory

The First PKU-UTokyo Winter Institute has as its goal the rethinking of prevailing, i.e., U.S.-centered, models of Area Studies through critical reflections on literary, historiographical, philosophical and politico-philosophical traditions of East Asia and Europe.

PKU: 2 Professors and 5 Graduate Students

UTokyo: 2 Professors and 6 Graduate Students



Future Plans

<Departmental-level>
Continue and broaden
activities

<University-level>
1. Staff Training Program
2. Joint Summer Program

Stronger
partnership

Strategic Partnership between Chicago and UTokyo

TAKAHIRO NAKAJIMA

Professor of Institute for Advanced Studies on Asia

2nd UTokyo Strategic Partnership Symposium
March 14, 2016

The University of Tokyo-University of Chicago

Presentation Outline

Strategic Partnership development between the Institute for Advanced Studies on Asia (IASA, 東洋文化研究所) and the University of Chicago in 2015

Strategic Partnership development between Faculty/Graduate School of Medicine and Institute of Medical Science of UTokyo 東大 and the University of Chicago in 2015

University-level Development in 2015

Looking forward at 2016 and beyond

Strategic Partnership Development between IASA and University of Chicago 2015

*Following upon the first joint graduate workshop of March 30, 2015, the second **joint graduate workshop** between UTokyo and the University of Chicago was convened on October 9, 2015 at the University of Chicago.

*Larger than the first workshop

*Lasting a whole day

*Altogether 9 students (UTokyo 4, Chicago 5) in Japanese studies gave presentations and held a lively discussion.

*Students had extensive exchanges with each other through campus tour, dinner, and downtown Chicago visits together.

Japan Studies
at the University of Chicago and the University of Tokyo

A Joint Workshop

8:00 a.m.-3:30 p.m., October 9, 2015
Social Sciences Building John Hope Franklin Room (Rm 224)
The University of Chicago

Schedule

8:20-8:30: Welcoming Remarks
8:30-8:45: Yijiang Zhang "Chicago's Japan; Tokyo's Japan"
8:45-10:00 **PANEL ONE**

Jun Hye Lee (UChicago): "The Best and the Rest: Asia's Place in the *Itagoe* Movement, 1950s-60s"
Hirai Yuka (UTokyo): "Sensuality without Sexuality? Gender and Body in Kawabata Yasunari"

Tessa Handa (UChicago): "Art and Beauty"
10:00-11:00 **PANEL TWO**

Sakihama Sana (UTokyo): "Revisiting Asirism in the context of Okinawa: Kawanitsu Shirichi"
Carly Buxton (UChicago): "SCAP-nese Americans: Nisei as Turncoats, Translators, and Testimonies in Occupation Japan"

11:00-11:15 Coffee Break
11:15-12:15 **PANEL THREE**

Ikeda Maho (UTokyo): "Local Self-government in Edo-Tokyo"
Paride Stortini (UChicago): "East and West of the Tsukiji Honganji"

12:15-13:30 Lunch
13:30-14:30 **PANEL FOUR**

Aliz Horvath (UChicago): "The Daimonshii and the Dynamics of Change"
Kawamura Satorufumi (UTokyo): "Asianism and the National Polity: Kishi Nobusuke and Wartime Japan"

14:30-15:15 General Discussion
15:15-15:30 Concluding Remarks

Workshop co-sponsored by:



The Committee on Japanese Studies
Center for East Asian Studies
The University of Chicago



東京大学
The University of Tokyo

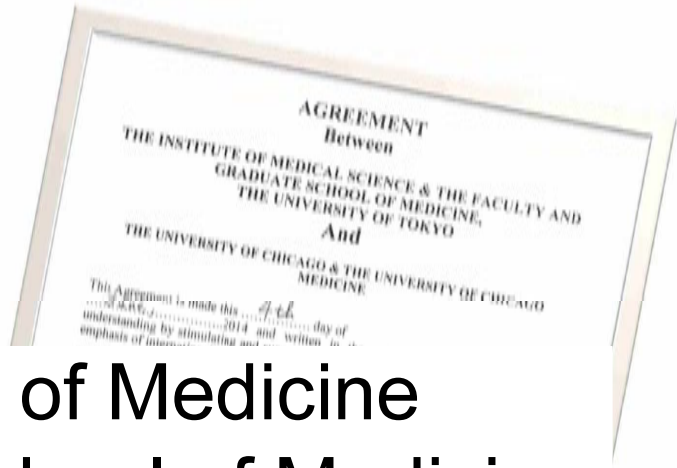


IASA

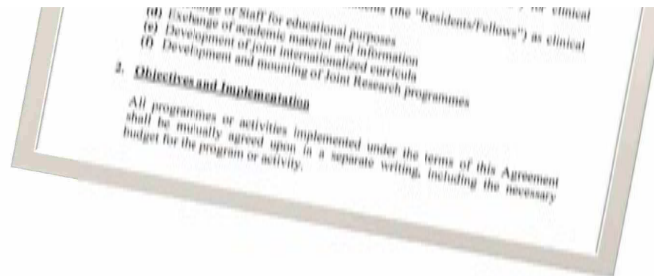
Strategic Partnership Development between IASA and University of Chicago 2015



**Strategic Partnership
development between
Faculty/Graduate School of
Medicine and Institute of
Medical Science of UTokyo
and the University of Chicago
in 2015**



Faculty of Medicine Graduate School of Medicine Institute of Medical Science



5

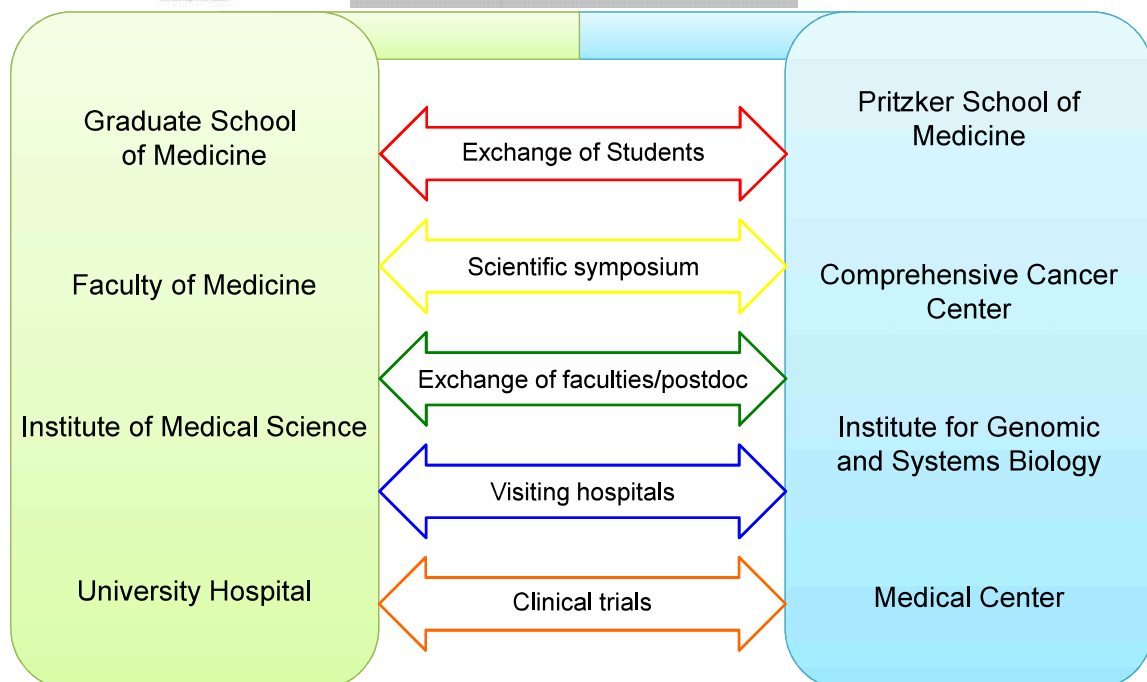
The University of Tokyo



University of Chicago



Agreement for mutual
collaboration (04/06/2014)



6

International symposium on Chicago campus

Nov 14-15, 2014

THE UNIVERSITY OF CHICAGO
MEDICINE & BIOLOGICAL SCIENCES

東京大学
THE UNIVERSITY OF TOKYO

The University of Chicago Welcomes
Graduate School of Medicine, The University of Tokyo

Introduction: Dean Kenneth S. Polonsky, MD
Chair: Ravi Salgia, MD, PhD

Kohei Miyazono, MD, PhD
Dean and Professor
"TGF-beta signaling in regulation of cancer"

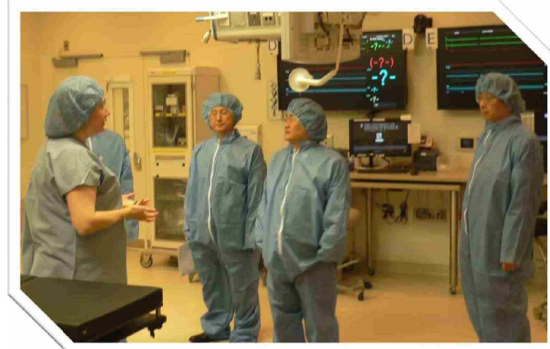
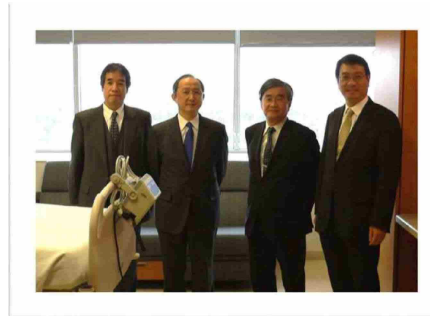


Hiroyuki Mano, MD, PhD
Professor
"Targeting essential growth drivers in human cancer"



Friday, November 14th
2:00 – 4:00 PM
KCBD Auditorium 1103

Persons with questions or special needs may contact:
Hisayo Shikakura, 773-702-0699, hshikakura@medicine.bsrd.uchicago.edu



7

International symposium on Tokyo campus

June 30, 2015

スーパーグローバル大学創成支援 東京大学戦略的パートナーシップ構築プロジェクト

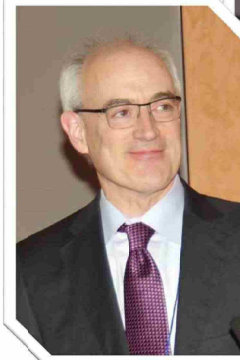
The 1st TGU Medical Symposium of The University of Chicago & Tokyo

June 30 (Tue) 2015
9:40 – 17:10
Ito Hall, Ito International Research Center, The University of Tokyo

FREE

<p>9:40 Opening Remarks Ravi Salgia, MD, PhD, Professor, The University of Tokyo</p> <p>A Robust Infrastructure to Support Clinical Research: University of Chicago Model Kenneth S. Polonsky Dean, Biological Sciences Division and Graduate School of Medicine, The University of Chicago 9:50-10:35</p> <p>Comprehensive Genome Sequencing for Elucidation of Molecular Bases of Diseases and Translation into Medical Practice Shoji Tsuji Professor, Department of Hereditary Epidemiology, Graduate School of Medicine, The University of Tokyo 10:35-11:20</p> <p>Implementing Pharmacogenomics Using a Genomic Prescribing System Mark J. Ratain Chief, Center for Investigational Therapeutics, Comprehensive Cancer Center, The University of Chicago 11:20-11:50</p>	<p>Genetic Pathways Leading to Therapy-Related Myeloid Neoplasms Michelle M. Le Beau Director, Comprehensive Cancer Center, The University of Chicago 13:10-13:40</p> <p>Malignant Transformation of Familial Platelet Disorder Mineo Kurokawa Professor, Department of Hematology and Oncology, Graduate School of Medicine, The University of Tokyo 13:40-14:10</p> <p>HPV-related Head and Neck Cancer and Its Implications for Clinical Research Everett E. Vokes John L. Gierver Professor, Chairman, Department of Medicine, The University of Chicago 14:10-14:40</p> <p>Clonal Evolution and Intratumoral Heterogeneity of Glioma Akitake Mukasa Assistant Professor, Department of Neurosurgery, Graduate School of Medicine, The University of Tokyo 14:40-15:10</p>	<p>Molecular Genomics of Cancers in Asia Tatsuhiro Shibata Professor, Laboratory of Molecular Medicine, Comprehensive Cancer Center, The Institute of Medical Science, The University of Tokyo 15:30-16:00</p> <p>Cancer Immunogenomics/ Immunopharmacogenomics Yusuke Nakamura Professor, Medicine and Surgery, Deputy Director, Center for Regenerative Therapeutics, The University of Chicago 16:00-16:30</p> <p>Intraoperative, Rapid and Sensitive Imaging of Tiny Tumors by Novel Fluorogenic Probes for Aminopeptidase Yasuteru Urano Professor, Laboratory of Chemistry and Biology, Graduate School of Pharmaceutical Science, The University of Tokyo Professor, Laboratory of Chemical Biology and Molecular Imaging, Graduate School of Medicine, The University of Chicago 16:30-17:00</p>	
<p>11:50-13:10 Lunch Time</p>		<p>15:10-15:30 Coffee Break</p>	
<p>17:00 Closing Remarks Kenneth S. Polonsky (Dean and Professor, The University of Chicago)</p>			

事務局 東京大学大学院医学系研究科 生化学・分子生物学講座 細胞情報学分野 担当：松本 E-mail: genome@u.tokyo.ac.jp



8

Exchange of information for research activities



9

University-level Development in 2015

The first **university-level meeting** on developing collaborations between UTokyo and UChicago was convened on October 9, 2015 at the Global Engagement Office of UChicago

Participants from University of Chicago:

- *Global Engagement Office
- *Center for Personalized Therapeutics
- *Comprehensive Cancer Center
- *Social Science Division
- *Humanities Division
- *Law School
- *Harris School of Public Policy Studies
- *Director of Study Abroad in the College

Participants from UTokyo:

- *Profs Nakajima and Zhong (IASA)

- *All UChicago participants are strongly interested in research and education collaborations with UTokyo
- *Discussed potential fields and format of collaboration such as joint international interdisciplinary conferences
- *Collaboration goals: to create new types of knowledge

10

University-wide Development in 2015

The second **university-level meeting** between UTokyo and UChicago is scheduled for March 24, 2016 at the Division of International Affairs (国際本部) of UTokyo

Participants from UTokyo:

- *Division of International Affairs
- *Graduate School of Medicine
- *Graduate School of Public Policy
- *Institute for Cosmic Ray Research
- *Kavli Institute for the Physics and Mathematics of the Universe
- *IASA

Participants from UChicago:

- *Michael Kulma, Global Engagement Office
- *Prof. James Ketelaar, Social Science and Humanities Divisions

- *To set up a basic timeline for the development of Strategic Partnership between the two schools,
- *To discuss concrete plans for multi-level, multi-disciplinary collaborations in both research and education, including a regular joint international & interdisciplinary conference.

University-wide Development in 2015

IASA is inviting a UChicago Professor to UTokyo to discuss university-wide **student dispatch** between the two universities, and to give a talk at the Global Japan Studies lecture series in March 2016

IASA is building up the connection between UTokyo and the **University of Chicago Alumni Club** of Japan, which is the second largest alumni club of UChicago in the world

Looking forward at 2016 and beyond

Joint annual graduate workshop

Mutual undergraduate student dispatch

**Joint international & interdisciplinary
conferences**

Joint annual workshops and symposiums

Memorandum of Understanding

Strategic Partnership agreement

13

Top Global University - Strategic Partnership Project

MIT Team Midterm Report for 2015

Graduate School of Frontier Sciences
 Graduate School of Interdisciplinary information Studies
 Center for Research and Development of Higher Education
 Graduate School of Engineering
 Institute of Industrial Science
 Graduate School of Mathematical Sciences

MIT and UTokyo

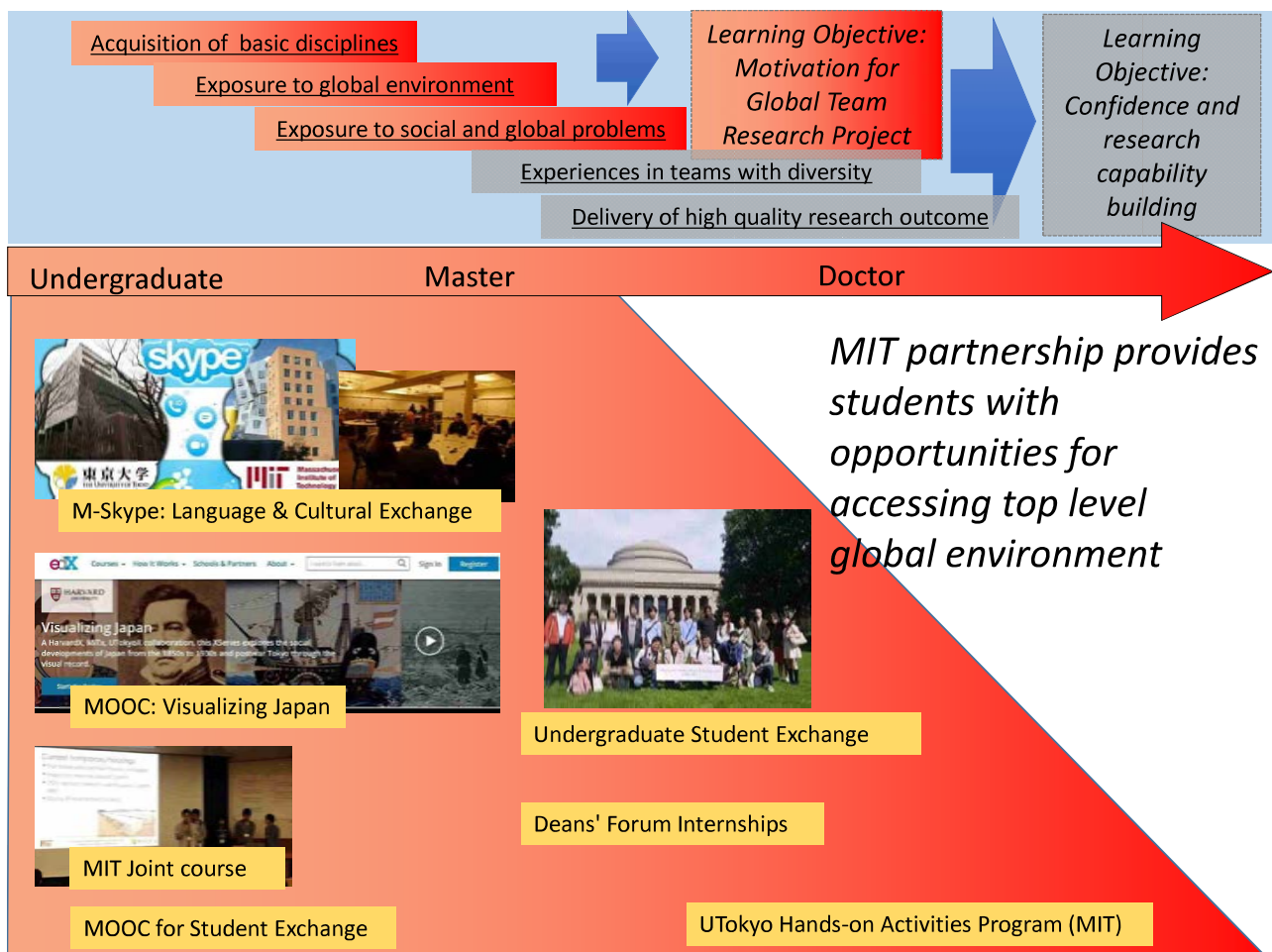
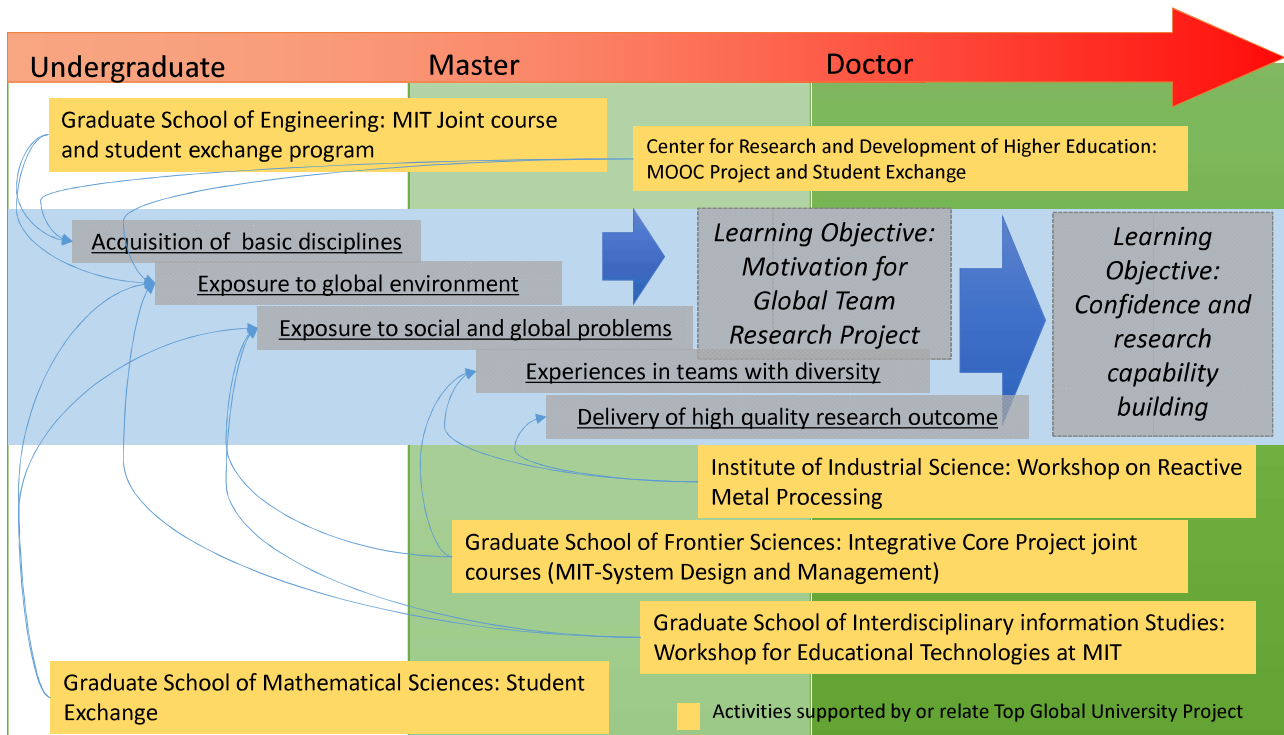


	MIT	UTokyo
History	Incorporated by the Commonwealth of Massachusetts on April 10, 1861	Established in 1877
Motto	Mens et manus—"Mind and Hand"	UTokyo Charter
Campus	168 acres in Cambridge, Massachusetts 18 student residences, 26 acres of playing fields	304 acres (3 major campuses) 559,176m ² (138 acres) in Hongo 352,180m ² (87 acres) in Komaba 320,313m ² (79 acres) in Kashiwa
Employees and Faculty	Approximately 12,110 (including faculty) Professors (all ranks): 1,036 (8.6%) Other teaching staff: 827 (6.8%)	10,526 (including faculty) Professors (all ranks): 2,866 (27.2%) Other teaching staff: 1,882 (17.8%)
Students	11,331 Undergraduates: 4,527 Women: 2,082 (46%) Graduate students: 6,804 Women: 2,265 (33%) *Academic Year 2015–2016	27,937 Undergraduates: 14,050 Women: 2,632 (19%) Graduate students: 13,887 Women: 3,805 (27%) *As of May 1 st , 2015
International Students	Undergraduates: 440 (9.7%) Graduate students: 2,849 (40.4%) Exchange, visiting, special students: 539	Undergraduates: 260 (1.9%) Graduate students: 2,635 (19.0%)
Cost	Tuition: \$44,720 Room and board: \$13,224	Tuition: \$4,465 (535,800JPY @1USD=120JPY)



Strategic Partnership Project - MIT Team – Education Platform Integrated with Multidisciplinary Research

Mission: Development of education platform to train students to become complex global problem solvers capable of delivering high quality research outcomes in partnership with MIT





Toward Strategic Partnership with Technical University of Munich

The Top Global University Project
Constructing a Global Campus Model at UTokyo

Yoshihiko Nakamura (School of IST, UTokyo)
Miho Funamori (Educational Planning Office, UTokyo)



Yesterday

▣ Decades of Broad Exchange Practice between UTokyo and TUM

- [UTokyo](#) : Y. Nakamura (IST), H. Asama (Eng), S. Kaneko (Eng), K. Ito (IIS), K. Tamai (RCAST) and more (8 faculty members, at least)
- [TUM](#) : K. Mainzer, C. Ann, M. Buss, G. Cheng, C. Lütge, H. Spielhoff, G. Wachtmeister, M. Zaerr and more (19 faculty members)

▣ Recent Official Visits

- M. Mitsuishi (Dean of Eng, UTokyo) visited Tim Lueth (Dean of Mech Eng, TUM), (2015/7/27)
- Hana Milanov (V.P. Intern. Aff., TUM) visited N. Sekimura (V.D. Intern. Aff.), (2015/10/13)

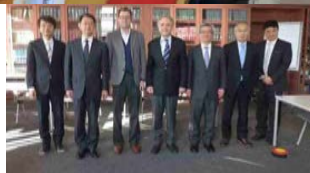
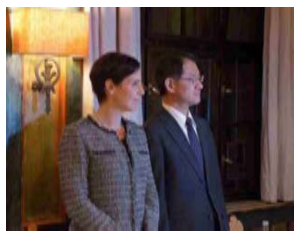
A Step Forward Today

— WS Toward Strategic Partnership

- Date : January 18-19, 2016
- Place : Technical University of Munich
Garching Campus, Conf. Room 2010, School of Mech. Eng.
- Participants :
 - Utokyo: N. Sekimura (V.D., Intrn. Aff.), M. Mitsuishi (Dean, Eng.) and 6 other faculty members and 2 grad students.
 - TUM: H. Milanov (V.P., Intrn. Aff.), T. Lueth (Dean, Mech. Eng.) and 13 other faculty members and 4 from Secretary Office
- Program
 - Day 1 : Open Discussion on Exchange Framework and Action Plan
 - Day 2 : Introduction of Research on the Both Sides and Possible Partnership in Active Fields

A Step Forward Today

— WS Toward Strategic Partnership



Action Plan 2016

Outcome of WS

- Discussed, Summarized, and Extracted

① Collaboration and Exchange to Date

② New Programs

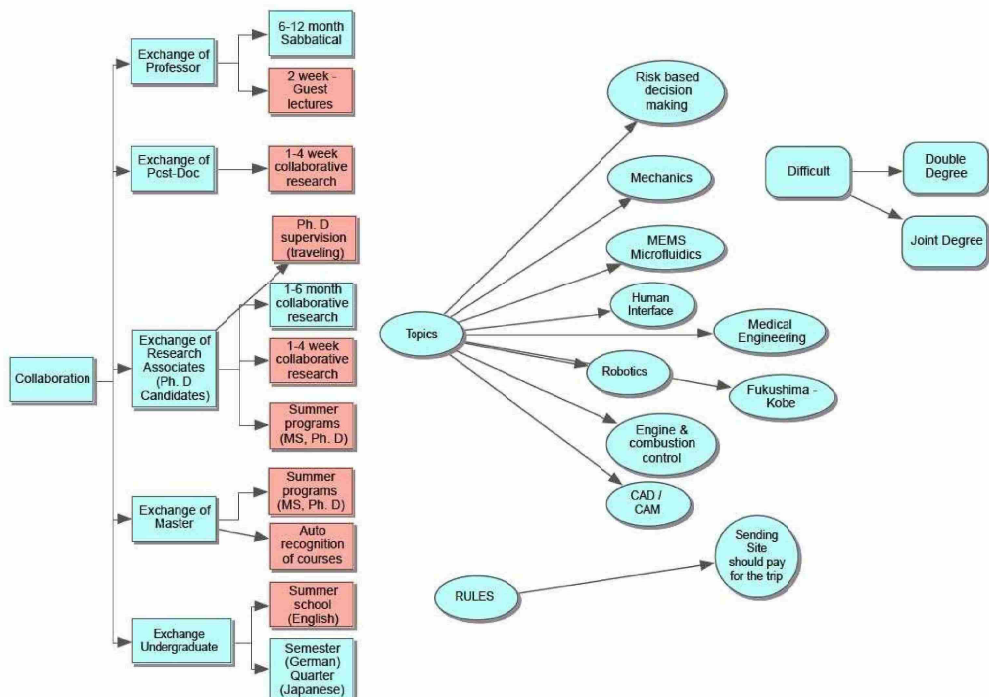
③ Plan of 2016

1. Technology, Ethics, Governance
2. Robots on Demand
3. CFRP in Machine Tools
4. Automobiles and Automobilsts
5. Nuclear Energy and Energy Policy
6. Elderly Society and Informatics

Recommended Action

- **Execute and Check the Action Plan 2016**

Action Plan 2016



18.01.16

Result of Discussion Parr1 UTokyo & TUMMunch

UTokyo Strategic Partnership *El Colegio de México Project*

The Second UTokyo Strategic Partnership Symposium
March 14, 2016

Takeshi Wada
UTokyo LAINAC
(Latin American & Iberian Network for Academic Collaboration)
Department of Area Studies (Latin America)
Graduate School of Arts and Sciences

2016/3/14

El Colegio de México Project: www.lainac.e.u-tokyo.ac.jp

UTokyo Strategic Partnership: *El Colegio de México Project*

Features

Networking

Research

Student Programs

Three Features

1. **NETWORKING**: To nurture academic relationships with El Colegio de México, the Latin American region, and the Spanish-speaking world in general;
2. **RESEARCH** : To build an institutional and multi-disciplinary framework of research collaboration;
3. **STUDENT PROGRAMS**: To promote cross-regional activities in Spanish by our students, including the 1st- and 2nd- year undergraduate students.

2016/3/14

El Colegio de México Project: www.lainac.e.u-tokyo.ac.jp

UTokyo Strategic Partnership: *El Colegio de México* Project

Features

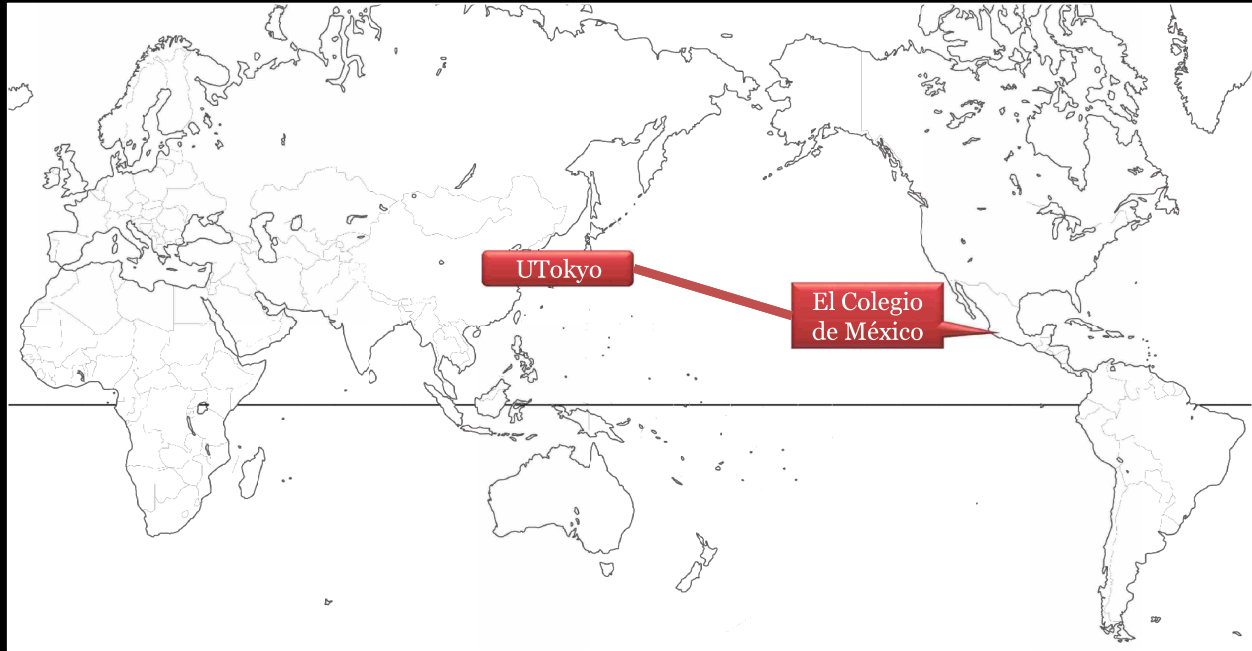
Networking

Research

Student Programs

1. **NETWORKING:** Nurture academic relationships with El Colegio de México, the Latin American region, and the Spanish-speaking world in general.

El Colegio de México



UTokyo Strategic Partnership: *El Colegio de México* Project

Features

Networking

Research

Student Programs

1. **NETWORKING:** Nurture academic relationships with El Colegio de México, the Latin American region, and the Spanish-speaking world in general.

Prominent universities in Latin America & Spain



UTokyo Strategic Partnership: *El Colegio de México* Project

Features

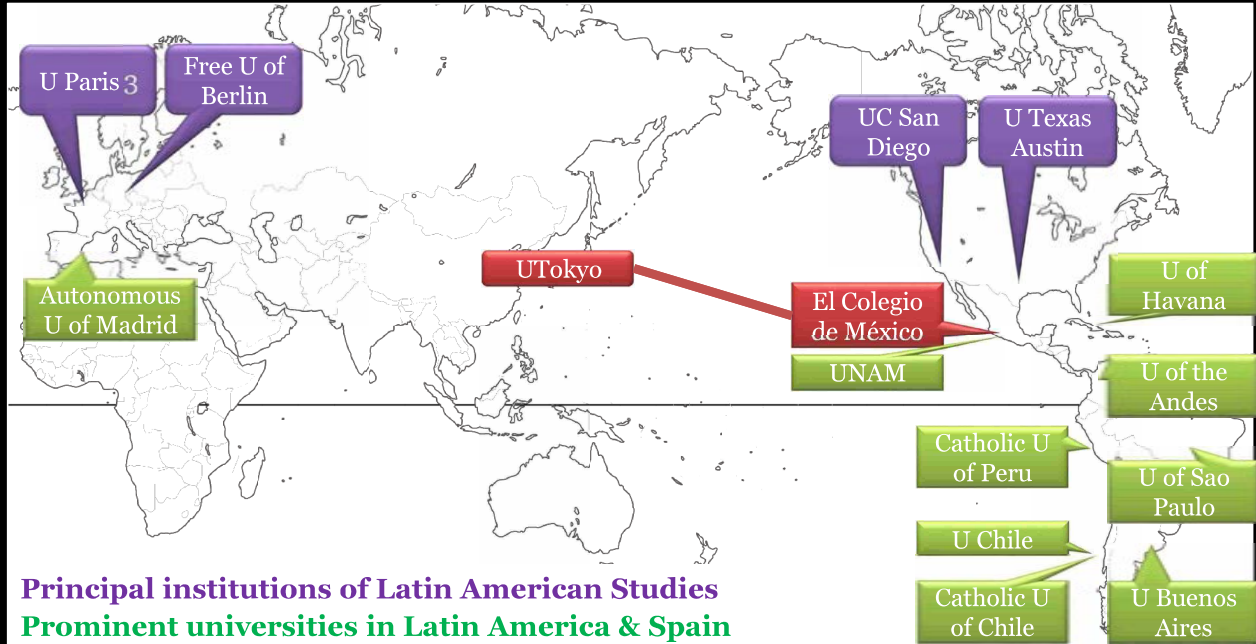
Networking

Research

Student Programs

- 1. NETWORKING:** Nurture academic relationships with *El Colegio de México*, the Latin American region, and the Spanish-speaking world in general.

Principal institutions in the field of Latin American Studies



UTokyo Strategic Partnership: *El Colegio de México* Project

Features

Networking

Research

Student Programs

- 1. NETWORKING:** Nurture academic relationships with *El Colegio de México*, the Latin American region, and the Spanish-speaking world in general.

Major academic associations



UTokyo Strategic Partnership: *El Colegio de México* Project

Features

Networking

Research

Student Programs

2. **RESEARCH:** To build an institutional and multi-disciplinary framework of research collaboration.

Format	Events & Programs	El Colegio de México Centers
Lectures	4/2015-1/2016: 16 lectures	Center for Asian and African Studies
Seminars	5/2016: gender studies Karine Tinat "Gender, Feminism, and Body"	Program on Women Studies
Workshops	1/2016: social sciences "Future of Democracy"	Center for International Studies
	11/2016: sociology "Globalization and Social Movements"	Center for International Studies
Conferences	11/2015: linguistics "Dynamics of Linguistic Contacts"	Center for Linguistics & Literature Studies
	4/2016: history "Between Spaces" at El Colegio de México	Center for Historical Studies
	6/2016: humanities "Power of Memory"	Center for Sociological Studies



UTokyo: ① The Institute of Social Science

② The Graduate School of Humanities and Sociology

2016/3/14

El Colegio de México Project: www.lainac.e.u-tokyo.ac.jp

UTokyo Strategic Partnership: *El Colegio de México* Project

Features

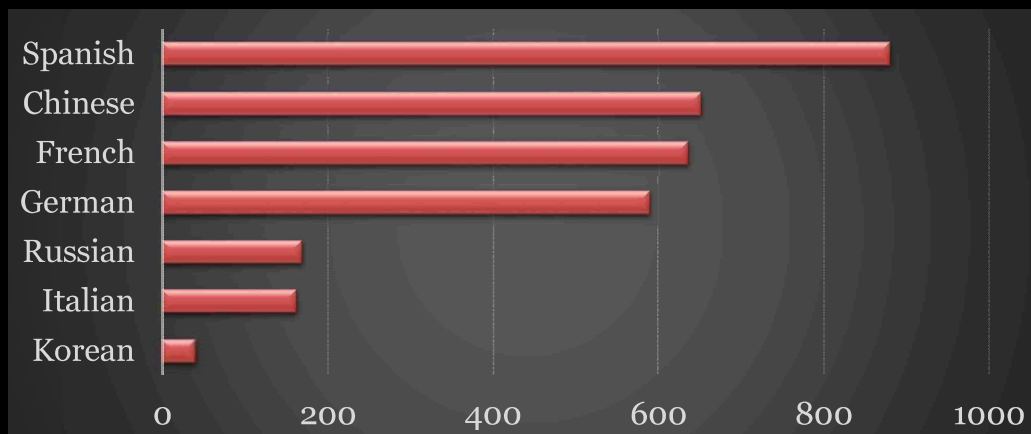
Networking

Research

Student Programs

3. **STUDENT PROGRAMS:** Promote cross-regional activities in Spanish by our students, including the 1st- and 2nd- year undergraduate students.

The 2nd foreign language chosen by the 1st-year UTokyo students in 2015



2016/3/14

El Colegio de México Project: www.lainac.e.u-tokyo.ac.jp

UTokyo Strategic Partnership: *El Colegio de México* Project

Features

Networking

Research

Student Programs

3. **STUDENT PROGRAMS:** Promote cross-regional activities in Spanish by our students, including the 1st- and 2nd- year undergraduate students.

1) UTokyo students visiting Mexico: “Global Praxis”



2016/3/14

El Colegio de México Project: www.lainac.e.u-tokyo.ac.jp

In brief...

- Thirty-nine UTokyo students applied for this program, and 16 were selected (10 men & 6 women; 5 science students).
- The 16 students visited Mexico with Prof. Hiroyuki Ukeda for 2 weeks in January, 2016.
- El Colegio de México welcomed the students and organized academic and cultural sessions with their students.
- This program is a part of “Global Praxis,” new thematic courses for the 1st- and 2nd- year students in Komaba.
- We obtained 16 fellowships from JASSO for this program.

UTokyo Strategic Partnership: *El Colegio de México* Project

Features

Networking

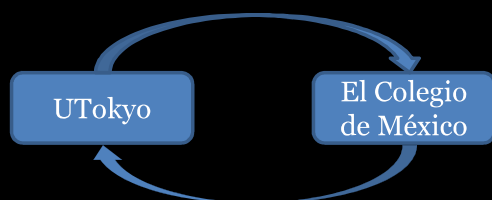
Research

Student Programs

3. **STUDENT PROGRAMS:** Promote cross-regional activities in Spanish by our students, including the 1st- and 2nd- year undergraduate students.

1) UTokyo students visiting Mexico: “Global Praxis”

2) UTokyo students receiving Mexican & Latin American students



1st program in March 2016

2nd program in November 2016

In brief...

- **In March, 2016**, 18 UTokyo students will welcome 14 students from prominent universities in Mexico (El Colegio de México), Chile, Colombia, Argentina, and Spain for two weeks. We have obtained 14 fellowships from JASSO for this program.
- **In November 2016**, about 10 graduate students from El Colegio de México’s Center for Asian and African Studies will visit Komaba for three weeks. UTokyo has helped El Colegio de México apply for the Japan Foundation’s financial support.

2016/3/14

El Colegio de México Project: www.lainac.e.u-tokyo.ac.jp

UTokyo Strategic Partnership: *El Colegio de México* Project

Features

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Research

Student Programs

3. **STUDENT PROGRAMS:** Promote cross-regional activities in Spanish by our students, including the 1st- and 2nd- year undergraduate students.

1) UTokyo students visiting Mexico: “Global Praxis”

2) UTokyo students receiving Mexican & Latin American students

3) Skype Spanish-Japanese practice sessions

In brief...

- In the 2015 Autumn semester, we experimented conversation practice sessions between 16 UTokyo students and 10 students of the National Autonomous University of Mexico using Skype.
- First 30 minutes were dedicated for Japanese practices, and the next 30 minutes for Spanish.
- 8 pairs continue such practices even after the end of the official course (official in both universities).
- Some of the participant students actually met face-to-face in Mexico during the Global Praxis trip.
- In the 2016 Autumn semester, we will have another round of Skype conversation sessions.

2016/3/14

El Colegio de México Project: www.lainac.e.u-tokyo.ac.jp



Collaboration with National University of Singapore NUS

- ◆ Clinical research support center, the University of Tokyo hospital
- ◆ School of Engineering, the University of Tokyo



Activity report

<Visit & Seminar>

Clinical research support center, the University of Tokyo Hospital

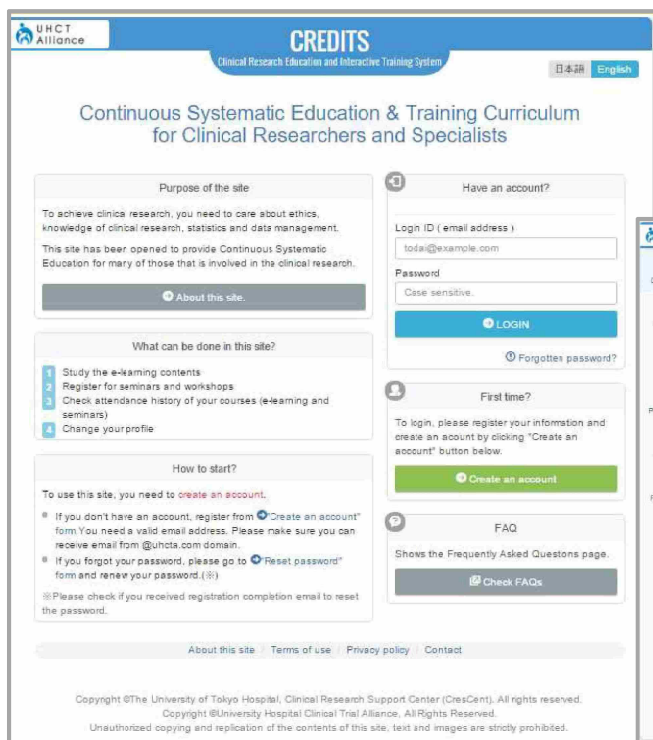
- August 2015 UT→NUS
- February 2016 UT→NUS, NUS→UT
- March 2016 UT→NUS, NUS→UT Seminar

<Meeting with School of engineering dept.>

- Sep 2015
- February 2016
- March 2016

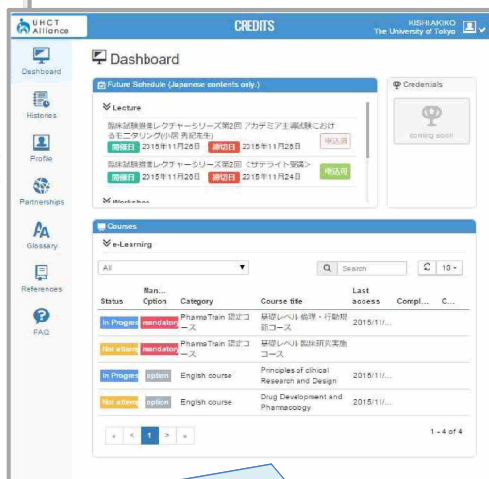


CREDITS Clinical Research Education and Interactive Training System



Main Functions

- ID management
- Online registration for each course
- Management of education profile
- Completion certificate
- Automated reminder before expiry date



★English Contents

- Drug Development and Pharmacology
- Principles of clinical Research and Design

Seminars

第15回東大病院臨床試験セミナー
「臨床研究を取巻く環境変化とアカデミアの取り組み」

■主催：東京大学医学部附属病院臨床研究支援センター
 ■共催：東京大学医療イノベーションイニシアティブ、臨床研究ガバナンス部、UHCTアライアンス
 ■日時：2016年2月24日(水) 17:15 - 20:45
 ■場所：東京大学医学部附属病院 臨床研究ガバナンス部 14階
 ■参加費：無料 参加登録は、以下の申込用ホームページからお願いします。

挨拶 東京大学医学部附属病院 病院長 齊藤 延人

基調講演 座長 東京大学医学部附属病院 臨床研究支援センター長 山崎 力

1. 医薬品・医療機器の臨床開発に向けたPMDAの新たな取り組み
 独立行政法人 医薬品医療機器総合機構 理事 重藤 和弘

2. 国立研究開発法人日本医療研究開発機構における臨床研究支援体制
 国立研究開発法人 日本医療研究開発機構 戦略推進部 次長 森光 敬子

3. 臨床研究の質の向上を目指した東大病院の取り組み
 東京大学医学部附属病院 臨床研究ガバナンス部 部長 森豊 隆志

座長 東京大学医学部附属病院 臨床研究支援センター 上田 恵子

特別講演Ⅰ：再生医療に関する話題
 関東信済厚生医療機構 再生医療推進部 部長 美留町 潤一

特別講演Ⅱ：Developing an educational environment to foster clinical investigation in the National University of Singapore.
 国立シンガポール大学 医学部 臨床研究者修士コース カリキュラムディレクター
 Curriculum Director, Master of Clinical Investigation, National University of Singapore
 八幡 真人

座長 東京大学医学部附属病院 臨床研究支援センター 上田 哲也 赤堀 真

パネルディスカッション：新倫理指針施行後のモニタリングと監査の実態

1. オンサイトモニタリングによる臨床研究の質管理の実態
 慶應義塾大学病院臨床研究推進センター臨床研究支援部門モニタリングユニット 松嶋 由紀子

2. 統計手法を用いた中央モニタリングで集積されたデータの活用
 東京大学大学院 情報学環 准教授 大庭 幸治

3. 新指針における監査
 国立研究開発法人 国立がん研究センター 研究支援センター 研究管理課 研究管理課 藤木 多佳子

4. まとめ・討議

閉会の辞 東京大学医学部附属病院 副院長・研究支援部長 南学 正臣

お問い合わせ先：東京大学医学部附属病院臨床研究支援センター
 〒113-8655 東京都文京区本郷3-1-1
 参加登録は、以下の申込用ホームページからお願いします。
<https://plaza.umin.ac.jp/cresc/20160224.html>

The University of Tokyo, Gopal University Project

Hosted by the Clinical Research Support Center, Medical Innovation Initiative, Office of International Academic Affairs, the University of Tokyo

Seminar on career development by Japanese investigators from Singapore



3/17/2016 Thu 14:00-15:30
 the University of Tokyo Hospital, 1st floor Reception Room

Two Japanese investigators are invited to share their academic experience and perspectives in global environment.

Undergraduate/graduate students, post-doc, young scientists/physicians are all welcomed!

Language: English/Japanese No registration required. Free admission.

Pluripotency, differentiation and fate in career development - finding our way amidst an ever-changing world

Makoto Yawata, MD, PhD

- Assistant Professor, Department of Pediatrics
- Curriculum Director, Master of Clinical Investigation
- Principal Investigator, Singapore Institute for Clinical Sciences, A*STAR



Opportunities off the beaten track

~ from basic to translational research and commercialization

Shigeki Sugii, PhD

- Principal Investigator, Singapore Biomaging Consortium
- Assistant Professor, Duke-NUS Graduate Medical School



UT-Crescent
 Clinical Research Support Center
 The University of Tokyo Hospital

If you have any questions, please email to crescentedu-office@umin.ac.jp

Conformation of NUS-UT joint symposium in 2016

Activity report of School of Engineering

- Visiting NUS from Feb. 21st to Feb. 23th
 - Courtesy visit to Dean of school of Engineering, NUS
 - Meeting with Prof James Goh and Prof Li Ji of Department of Biomedical Engineering
 - Meeting with Prof Phan-Thien Nhan, Department of Mechanical Engineering
 - Meeting with Prof Victor Shim, Vice Dean (External Relationship)
 - Workshop by the university of Tokyo



- Conformation of NUS-UT joint symposium in June-July
- Discussion about student exchange and joint research

Workshop by the University of Tokyo

- Date : Feb. 22nd
- Venue: Faculty of Engineering, National University of Singapore
- Speaker:
 - Prof. Sakuma
 - Prof. Takai
 - Prof. Azuma
 - Assoc.Prof. Kobayashi



Co-sponsored by:



IEEE-Engineering in Medicine & Biology Society (EMBS) Singapore Chapter

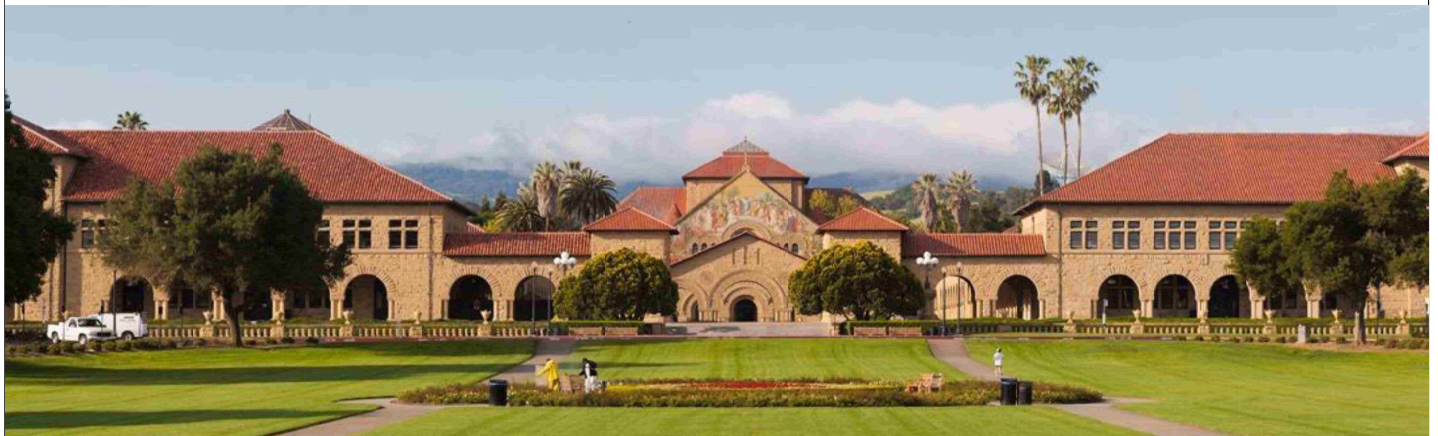
Topic:	Bioengineering Research in the School of Engineering, University of Tokyo
Speakers:	Prof Ichiro Sakuma Vice Dean, School of Engineering Departments of Precision Engineering and Bioengineering Prof Takashi Azuma School of Medicine Prof Madoka Takai Department of Bioengineering, School of Engineering Prof Etsuko Kobayashi Department of Precision Engineering, School of Engineering
Date:	22 February 2016, Monday
Time:	2.00 pm to 4.00 pm (Light refreshments will be provided from 1.30 pm)
Venue:	LT 7A (Block EA, Level 1) Faculty of Engineering, National University of Singapore (map of NUS can be found at http://map.nus.edu.sg/)
Host:	Assoc. Prof. Chui Chee Kong Chair, IEEE EMBS Singapore Chapter

2016 Action Plan

- **Faculty development course**
- **Research collaboration**

- **NUS-UT Symposium**
 - Principal investigators in translational & clinical research in biomedical science field

Strategic Partnership Project, The University of Tokyo



Stanford Biodesignとの連携

Stanford SPARKとの連携

情報理工学系研究科

地震研究所

Stanford Stem Cell Center
との連携



Our website has opened!!



「象徴的なのが留学生たち。日本人留学生は、留学が終わると帰国してしまう。一方、他のアジアの国々の留学生はシリコンバレーにとどまり、ベンチャー企業に就職、やがて起業する人もいる。そして経験やノウハウを蓄積させ、帰国する人もいる。そうやって、ネットワークを構築している」

Daniel I. Okimoto, PhD

Professor of Political Science, Emeritus
Director Emeritus, Shorenstein APARC
Board Member, US-Japan Council

3/29, 2016

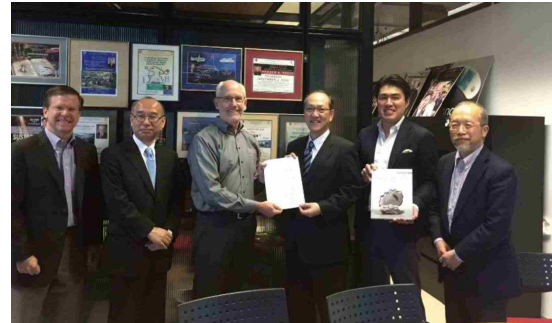
Tetsumon Memorial Hall, the University of Tokyo



Lloyd B. Minor, MD
Dean, School of Medicine



Paul Yock, MD
Founder & Director, Stanford Biodesign



March 19, 2015 @Stanford



6/27-7/1, 2016
the University of Tokyo

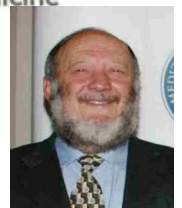
The Institute of
Medical Science
The University of Tokyo



STANFORD
MEDICINE
Institute for Stem Cell Biology
and Regenerative Medicine



Discussion and Collaborative Research



Nature 2016 Feb

Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche

James Y. Chen, Masanori Miyanishi, Sean K. Wang, Satoshi Yamazaki, Rahul Sinha, Kevin S. Kao, Jun Seita, Debashis Sahoo, Hiromitsu Nakauchi & Irving L. Weissman

Earthquake Research Institute (with Faculty of Science)

international Summer School on Earthquake science

September 4 – 8, 2015 @ Yamanaka-ko

47 students (including Stanford Univ.) participated

organized by ERI and SCEC (Southern California Earthquake Center: Stanford is a core institute)

Invitation of Prof. Greg Beroza, February 12-15, 2016

Lecture and discussion on next year's exchange of graduate students



SGU Stanford – IST Achievements

Visits of Faculties

UTokyo→Stanford, Feb-Mar 2015: Explain SGU, Planning collaboration

Stanford→UTokyo, Sep 2015: Lecture and meeting with Prof. William J. Dally

UTokyo→Stanford, Feb 2016: Discussion on collaborative education and research



Exchanges of students

Stanford→UTokyo, Jul 2014- Jan 2015: Internship by Stanford Ph.D candidate

UTokyo→Stanford, Feb-Mar 2016: 2 Students visit Stanford by SGU etc.

Employing International Faculty

- SGU projects of IST employ a French Faculty
- Provide lectures in English
 - Winter semester of 2014
 - Summer semester of 2015
 - Winter semester of 2015

Information for Students

- Symposia on short study abroad to students
 - March 2015
 - July 2015
 - October 2015



Strategic Partnership Program

The University of Tokyo and National Taiwan University

There have been a long history of the very tight relationship between UTokyo and NTU, which has been nurtured like the annual growth ring of the tree



Tree ring from Univ. forest, NTU



Plenary session Dec 9th, 2015

UTokyo-NTU Joint Conference at UTokyo 2015

- The Past, Present and Future of the Partnership between UTokyo and NTU -

Date: December 9 and 10, 2015 Venue: The University of Tokyo, Hongo and Yayoi Campuses

1. Plenary Session

51 Utokyo Professors, 64 NTU Professors and 32 NTU Students attended

2. Graduate School of Agricultural and Life Sciences (GSALS)

Future Development of Research and Educational Collaborations between Utokyo and NTU

3. Department of Veterinary Medical Sciences, GSALS

UTokyo-NTU Veterinary Science Seminar 2015

4. University Forests and Department of Forest Science, GSALS

UTokyo-NTU Forest Science Seminar 2015: Kick-off Meeting for Future Collaboration

5. Department of Biological and Environmental Engineering, GSALS

Laboratory and Field Tours

6. Depts. of Materials Engineering, Mechanical Engineering, Precision Engineering and Mechano-informatics, Graduate School of Engineering, Graduate School of Information Science and Technology

Joint Workshop of UTokyo-NTU on Engineering – Emerging Technology Developments of Material-Mechanics-Robotics

UTokyo-NTU Joint Conference at UTokyo 2015
- The Past, Present and Future of the Partnership between UTokyo and NTU -
Date: December 9 and 10, 2015 Venue: The University of Tokyo, Hongo and Yayoi Campuses

7. Department of Biological Sciences, Graduate School of Sciences

UTokyo-NTU Biological Science Seminar 2015 – The Present and Future of Biological Researches and Education in UTokyo and NTU

8. Department of Interdisciplinary Information Studies, Graduate School of Interdisciplinary Information Studies

Understanding Taiwan and Japan in Global Settings – Four-year Experience of Joint Summer Program and Proposals for Further Development

9. Atmosphere and Ocean Research Institute

UTokyo-NTU Ocean Science Seminar 2015 – Academic and Educational Exchanges between UTokyo-AORI and NTU-IO

10. Executive Meeting



農学生命科学研究科広報誌「弥生」 第62号 Spring 2016

December

東大—台湾大ジョイントカンファレンス

12月9日(水)及び10日(木)、弥生キャンパス、本郷キャンパス及び柏キャンパスを会場に、国立台湾大学と本学とのジョイントカンファレンス「UTokyo-NTU Joint Conference at UTokyo 2015 - The Past, Present and Future of the Partnership between UTokyo and NTU-」が開催されました。本カンファレンスは、昨年度本学が採択を受けた文部科学省スーパーグローバル大学創成支援の取組である戦略的パートナーシップ構築プロジェクトによるもので、緊密・創造的な海外大学との協力関係の構築を目的に、農学生命科学研究科の他、工学系研究科、理学系研究科、情報学環・学際情報学府、大気



海洋研究所の都合5部局が参加して行われました。

12月9日(水)午前中、弥生講堂一条ホールを会場に行われたプレナリーセッションでは、古谷研本学理事・副学長(国際本部長)、Liang Gee Chen台湾大学学術研究副学長による挨拶に続き、園田茂人総長特任補佐(国際本部副本部長)、Chen副学長による基調講演が行われ、台湾大学から約90名、本学から約55名、計約145名の出席者がありました。

同日午後及び翌日には、各部局の会場において、専門分野に分かれてのジョイントセッションが行われました。2日間にわたる本カンファレンスでは、研究者同士だけでなく学生同士の交流も盛んに行われ、今後一層の両大学の関係強化につながることを期待されます。

本ジョイントカンファレンスは、来年度、台湾大学を会場として行われる予定です。

Future Plans of the Strategic Partnership Project between UTokyo and NTU in 2016

1. Graduate School of Agricultural and Life Sciences (40 Profs. 55 Students)

- University Forest Lecture at NTU (Jun. 2016)
- University Forest Symposium at NTU (Oct. 2016)
- NTU Summer School (Aug. 2016)
- Practice for Utokyo Undergraduate and Graduate Students at NTU (Jul. 2016)
- Practice for NTU Undergraduate Students at UTokyo

2. Graduate School of Engineering (10 Profs. 5 Students)

- Workshop on Material–Mechanics–Robotics at NTU (Dec. 2016)

3. Graduate School of Interdisciplinary Information Studies (5 Profs. 16 Students)

- Joint Winter Program (Feb. 2017)
- East Asian Conference for Young Sociologists (Feb. 2017)

4. Atmosphere and Ocean Research Institute (7 Profs. 8 Students)

- Joint Symposium (Nov. 2016)
- Joint Researches



UTokyo-NTU Joint Conference at NTU 2016
- The Past, Present and Future of the Partnership between UTokyo and NTU -
December, 2016 at National Taiwan University



Strategic Partnership Program with Chile with Univ. of Chile, Univ. of Catolica



PI Dean of Graduate School of Science, Prof. Fukuda

10 Academic Fields and Chairs

- Asian Studies: Prof. Takamizawa (Institute for Asian Studies on Asia)
- Astronomy: Prof. Doi (Graduate School of Science)
- Biology: Prof. Takeda (Graduate School of Science)
- Chemistry: Prof. Tsuji (Graduate School of Science)
- Fisheries: Prof. Yagi (Graduate School of Agricultural and Life Science)
- Information Technology: Prof. Morikawa (Research Center for Advanced Science and Technology)
- Material Science: Prof. Okabe (Institute of Industrial Science)
- Medical Engineering: Prof. Sakuma (Graduate School of Engineering)
- Seismology: Prof. Satake (Earthquake Research Institute)
- Social Science: Prof. Ukeda (Graduate School of Arts and Sciences)



Former Major Activities with Univ. of Chile and Univ. of Catolica

- 1995 AIKOM program between Univ. of Catolica and College of Arts and Sciences
- 2003 Academic Exchange Agreement with Univ. of Chile
- 2009 The miniTAO telescope used by Chilean astronomers through Univ. of Chile
- 2013 **UTokyo Forum 2013** in Chile co-hosted by Univ. of Chile and Univ. of Catolica
- Academic Exchange Agreement with Univ. of Catolica
- MoU for Students Exchange with Univ. of Chile and Univ. of Catolica
- 2014 **Academic Forum between Chile and Japan at UTokyo 2014**
- 2015 Strategic Partnership Program (-2016)
- Re-Inventing Japan Program with Latin America



UTokyo forum 2013 in Chile (and Brazil)
~150 visitors from Japan



Academic Forum between Chile and Japan
at UTokyo 2014
~50 visitors from Chile

Major Activities by SGU in FY2015

○ Visiting Chile from UTokyo

Prof. Takamizawa (Inst. of Advanced Studies on Asia)

Center for Asian Studies, Univ. of Catolica in November
a colloquium, meetings in November

“Chilean students have strong interest in China.”

Prof. Doi (School of Science)

meetings with staff at vice rectoria of Univ. of Chile and
Univ. of Catolica in December for the forum 2016

Prof. Doi visita el país en el marco del Foro Chile-Japón 2016

El director del Instituto de Astronomía de la Universidad de Tokyo, Mamoru Doi, visitó el país para iniciar la organización del "Foro Académico Chile-Japón 2016" que se llevará a cabo en la Patagonia gracias a la colaboración entre dicha institución, la Universidad de Chile y la Pontificia Universidad Católica.

Con la finalidad de potenciar el trabajo científico y la capacidad académica mediante la colaboración e intercambios, se llevará a cabo el "Foro Académico Chile-Japón 2016", organizado por la Universidad de Tokyo, la Universidad de Chile y la Pontificia Universidad Católica, que como primera etapa de coordinación contó con la visita del Director del Observatorio Pico que Instituto de Astronomía, Mamoru Doi.

Durante la actividad organizada el miércoles 7 de diciembre, académicos y funcionarios de las instituciones implicadas dialogaron sobre los desafíos que se le presentan en la industria, destacando la realización de talleres en diversos áreas como astronomía, tecnología, ciencia biológica, ingeniería biomédica, minería y meteorología, ciencia química básica y química natural, tecnologías de comunicación e información, matemáticas aplicadas y estudios sociales.

De acuerdo al Profesor Doi, "el Foro contempla 10 o más temáticas científicas diferentes, donde las universidades deben integrar a los académicos con el objetivo de potenciar y forjar nuevos vínculos de investigación, los más relevantes que las instituciones asociadas a la iniciativa se movían para ensamblar en un nuevo futuro en el continente".

Por su parte, la Directora de Investigación de la Universidad de Chile, Silvia Matur, manifestó que "el evento permitirá consolidar áreas que en los últimos meses muy desarrolladas, gracias a las relaciones que se generaron entre los investigadores y la sociedad de desarrollo de nuevos proyectos como resultado. Este trabajo conjunto beneficiará al país, poco a poco en una relación alianza que una mirada a futuro que, además, involucra la posibilidad de intercambios de postgraduados y estudiantes de pregrado a Japón".



UChile HP with video

Prof. Yoshii (School of Science)

meetings with astronomers in Univ. of Chile for TAO telescopes etc. in January

Prof. Sakuma (School of Engineering) in March

College of Engineering Pontificia Universidad Católica

future academic activities with Institute of Biological and Medical Engineering

Major Activities by SGU in FY2015

○ Visitors from Chile

Prof. Somma (Univ. of Catolica) in January hosted by Prof. Ukeda

a talk at “the Future of Democracy after Neoliberalism: Challenges from Latin America”, discussions with attendee

Prof. Mattoli (School of Medicine, Univ. of Chile) in Jan. hosted by Prof. Morikawa

visited RCAST, School of Sci., JAXA, companies (NTT, Toray, ToyotaIT)

Prof. Vargas (Dept. of Geology, Univ. of Chile) in February hosted by Prof. Satake

Seminars, Field Studies to Awajishima, Neodani

○ Events

“Takumi” internship program from late March to early April

by Profs. Ukeda and Wada (Grad. School of Arts and Sciences)

one student from Univ. of Chile, one student from Univ. of Catolica are joining the event



Prof. Mattoli visited Toray

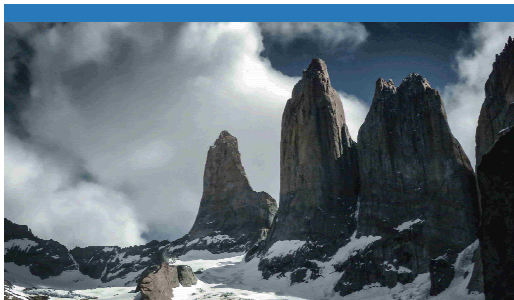


Next forum in Patagonia Nov. 7-11, 2016

Chile-Japan Academic Forum 2016

at **Patagonia**

Puerto Natales – Chile
7-11 November 2016

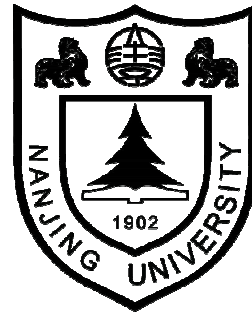


A preparation meeting at U.Chile
on Jan. 14, 2016



A preparation meeting at UTokyo
on Feb.9, 2016

Please join us!



Strategic Partnership: UTokyo & Nanjing University

Division of International Cooperation
Komaba Organization for Educational Excellence (KOMEX)

Goal



- ▶ Through strategic partnership bet. UTokyo & Nanjing Univ., achieve innovations in "Liberal Arts Education" and "Chinese Language Education" in both universities

Targets

Counterparts in Nanjing

Innovations in Liberal Arts Education

- Center for Liberal Arts Education
- Department of Japanese Language

Innovations in Chinese Language Education

- Institute for International Students



UTokyo Focal Points

▶ **Innovation in Liberal Arts Education Programme**

Prof. Fumitoshi Karima (Interdisciplinary Cultural Studies, GSAS)

Prof. Noriya Ito (Interdisciplinary Cultural Studies, GSAS)

Associate Prof. Kazuyuki Hara (Area Studies, GSAS)

Associate Prof. Akiko Shimizu (Interdisciplinary Cultural Studies, GSAS)

Prof. Yuichiro Watanabe (Life Sciences, GSAS)

Associate Prof. Masao Watanabe (Historiographical Institute)

▶ **Innovation in Chinese Language Education Programme**

Associate Prof. Tsuyoshi Ishii (Area Studies, GSAS)

Associate Prof. Tomoko Ako (Advanced Social and International Studies, GSAS)

* GSAS: Graduate School of Arts and Sciences



Activities in 2015

I. **Innovations in Liberal Arts Programme**

▶ **"1 week @ Utkyo" (short visit) Programme (Nov. 8 – 15)**

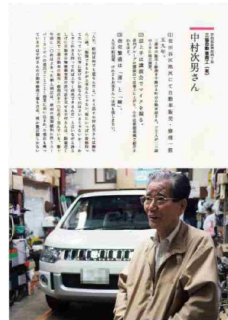
- 10 students from Nanjing Univ. visited UTokyo.
- The Nanjing students took UTokyo classes at Komaba campus.
- Together with 15 UTokyo students, conducted a joint fieldwork survey on "things not yet lost" in Tokyo. The outcome report was published.

▶ **Panel Discussion on Practices in Liberal Arts Education (Nov. 11)**

- An exchange of good practices & lessons learned in liberal arts education between professors in UTokyo and the Nanjing Univ.
-



Activities in 2015



Activities in 2015



I. Innovations in Liberal Arts Programme

- ▶ **"I week @ Utokyo" (short visit) Programme (Nov. 8 – 15)**
 - 10 students from Nanjing Univ. visited UTokyo.
 - The Nanjing students took UTokyo classes at Komaba campus.
 - Together with 15 UTokyo students, conducted a joint fieldwork survey on "things not yet lost" in Tokyo. The outcome report was published.
- ▶ **Panel Discussion on Practices in Liberal Arts Education (Nov. 11)**
 - An exchange of good practices & lessons learned in liberal arts education between professors in UTokyo and the Nanjing Univ.





Activities in 2015

▶ Intensive Lecture Series at Nanjing University (Mar. 3 -22, 2016)

- UTokyo professors from various fields gave lectures on "colour."
- To challenge "common sense" through seeing it from different perspectives.
- Lessons learned to be utilized to improve education at both universities.

Date	Professor	Affiliation	Lecture Title
Mar. 3 - 4	Akira Saito	Graduate School of Humanities and Sociology	"Colour" in Buddhism
Mar. 7 - 8	Yoshio Torii	Department of General Systems Studies, GSAS	Is the Sky Really Blue?
Mar. 10 - 11	Kei Ito	Institute for Molecular and Cellular Biosciences	Diversity in Colour Perceptions and Colour Universal Design
Mar. 14 - 15	Yukari Muraoka	Historiographical Institute	Colouring Materials and Copy Techniques
Mar. 17 - 18	Atsushi Miumra	Interdisciplinary Cultural Studies, GSAS	Arts and "Colour"
Mar. 21 - 22	Haruhiko Fujiwara	Graduate School of Frontier Sciences	Deception and Disturbances by Colours: Mysteries of Mimicry of Insects



Activities in 2015

2. Innovations in Chinese Language Education Programme

▶ Chinese Language Intensive Course @ Nanjing Univ. (Aug. 2 – 23)

- 20 Komaba students took a 3-week intensive course at the Institute for International Students in Nanjing.
- Classes included lectures on Chinese social and economic affairs and culture in addition to the language.
- Lessons learned to be utilized in joint efforts to further develop innovative Chinese language education by UTokyo and the Naging Univ.

<https://lapsummer.wordpress.com/>



Activities in 2015



Chinese Language Intensive Course @ Nanjing



Encounter with the Chinese Culture:
The Classical Chinese Opera





1.PURPOSE

This project is intended to promote closer links at all levels between the University of Oxford and UTokyo.

Guidelines for Strategic Partnership proposed by the University

- *Research Collaboration
- *Collaboration in Educating Graduate Students
- *Promoting of Undergraduate Student Exchange



2. ACTIVITIES

2-1 Research Collaboration:

In September & November 2015 and in February 2016, Prof. Kasai visited Oxford to promote collaborative work.

2-2 Collaboration in Educating Graduate Students

In March 2015, 2 graduate students supported by JASSO flew to Oxford to have a meeting with the scholars of the University of Oxford to organize and arrange for Tokyo Oxford Programme of Summer (hereafter, "TOPS") as well as to carry out their own research. They also learned their places in the world standard of their specialized area.

2-3 Promoting of Undergraduate Student Exchange

Last summer, TOPS ran from 10 August to 5 September. 9 undergraduate students from UTokyo along with 22 students from other universities stayed at Liddell Building of Christ Church and took classes at Ioannou Centre for Classical and Byzantine Studies of the University of Oxford.



TOPS

3. TOPS 2015

What is this?

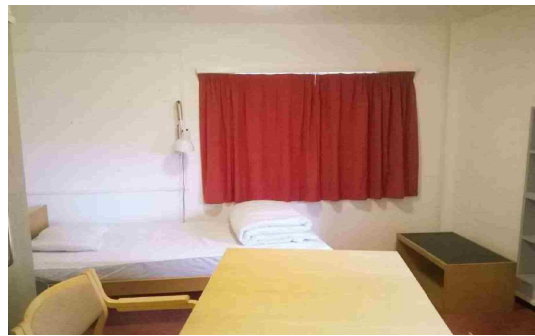
- Joint summer school programme between the UTokyo and the University of Oxford
- Participants took courses taught by the Oxford faculty and other lecturers at Oxford
- TOPS is aimed at gaining an understanding of the bases of European Culture, such as Classics, Literature, Politics, and Common Law, to cultivate the capability of competing with the leaders educated in the West.

Accommodation



Thanks to Christ Church which has provided us with accommodations for the past 4 years.

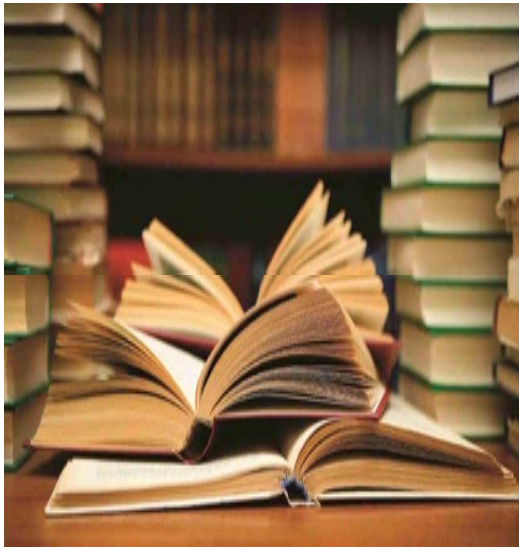
Students stayed at Liddell Building of Crist Church, which is simple and clean.



3-1 Schedule

	1st Week (10-16 August)	10 August (MON) :Departure from Narita 11 August (TUE): Orientation 12-14 August(WED-FRI):Teaching days
	2nd Week (17-23 August)	17-19 August (MON-WED): Teaching days 20-21 August (THU-FRI): Possible Teaching days
	3rd Week (24-30 August)	Visit to London Courts, Bar, Law Firms etc. Essay writing, preparation for the presentation
	4th Week (31August-5 September)	4 September: Presentation and Farewell Party 5 September: Departure from Heathrow 6 September: Arrival in Japan

3-2 Subjects and courses



I Classics

- 1.Homer and Orient (The Iliad of Homer)
- 2.Song and Society
- 3.Staging the Law, Family/Homicide
- 4.Performance and Reception

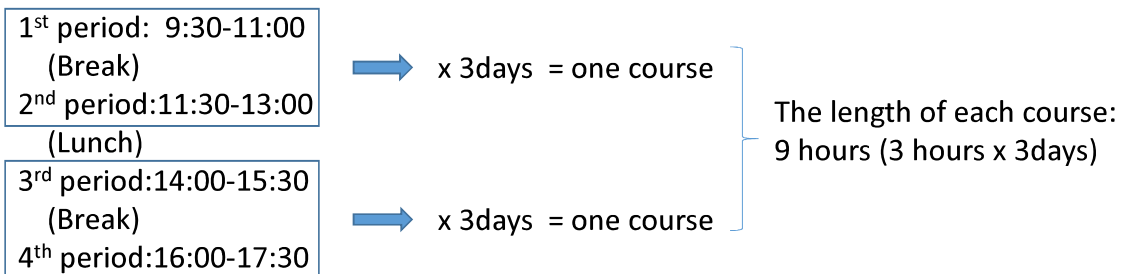
II Law

- 1.Introduction to Roman (Civil) Law
- 2.Torts
- 3.Contract

III French Literature

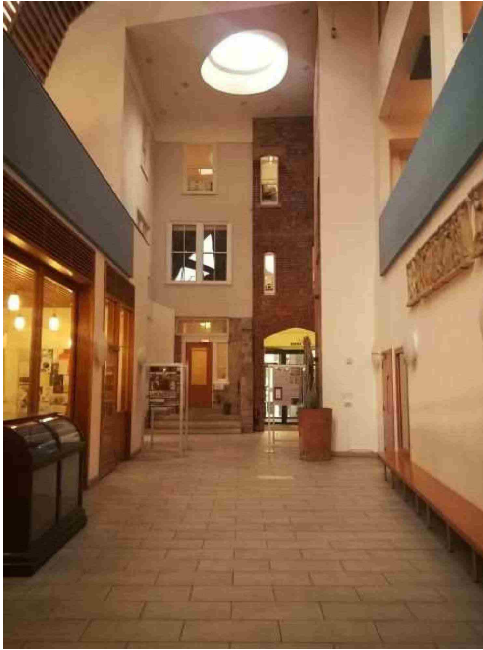
- 1.Moralist Literature
- 2.French Poetry
- 3.The Aesthetics of Heroic Warrior
- 4.Mythological Figures

3-3 Schedule of the teaching day (1st week and 2nd week)



Students were required to take 4 courses: 2 from Law courses and 2 from Classics or French Literature

Occasional single lectures by eminent professors.



Classroom

Ioannou Centre for Classical and Byzantine Studies of the University of Oxford allowed us to use its teaching rooms and facilities.



3-4 Highlights



Conference at Cambridge

Lecture on Greek History by
Dr. Alfonso Moreno



Presentation

On the presentation day, 4 September, each student, using power point, made a maximum of 10 minutes speech including question and answer in front of two guests,



Mr. John Harris, the former Steward of Christ Church, and Professor Gregory Durston of Kingston University in London who provided useful comments to each student and evaluated their presentations.

4. PLAN FOR 2016

4-1 Research Collaboration

A scholar from Oxford will give a lecture on Classics in the A2 term. In March 2017, Prof. Robert Parker is scheduled to visit the UTokyo to conduct research.

4-2 Collaboration in Educating Graduate Students

In March 2016, 3 graduate students supported by JASSO will go to Oxford to prepare for TOPS as well as to conduct research in their area of specialization. 3 graduate students from The University of Oxford are to come to the UTokyo to do research under the joint research project arranged between Prof. Hitoshi Murayama, Kavli IPMU, and Prof. Ian Shipsey, St. Catherine's College.

4-3 Promoting of Undergraduate Students Exchange

TOPS has been organized as a part of Hands-on Activities set up by the Student Support Activities. The period is from 8 August to 6 September, 2016.

4-4 New Development – Academic Agreement

The Academic Agreement with the University of Oxford ratified in June 1980 for an indefinite period is expected to be renewed by the Graduate School in charge of the initiative in order to use it in the most effective way possible at all levels of both universities. We will fully cooperate with the school based on the long-term relationship of trust established between UTokyo and the University of Oxford.



Thank you for your time.

Farewell Dinner at Christ Church on the 4th of September

HEC and University of Frankfurt

March 2016

Faculty of Economics, The University of Tokyo

HEC Paris (F r a n c e)

- Student Exchange with HEC started from October 2010
- 2010.10-2011.3 out 2 in 5
- 2011.10-2012.3 out 3 in 4
- 2012.10-2013.3 out 4 (including 1 year exchange) in 4
- 2013.10-2014.3 out 4 (including 1 year exchange) in 4
- 2014.10-2015.3 out 5 in 5
- 2015.10-2016.3 out 4 (including 1 year exchange) in 4

Goethe University Frankfurt (Germany)

- Student Exchange with University of Frankfurt started from April 2015
- 2015.10-2016.3 out 1 in 0
- University of Frankfurt plans to send an undergraduate student and possibly graduate students to UT in 2016.

HEC Paris

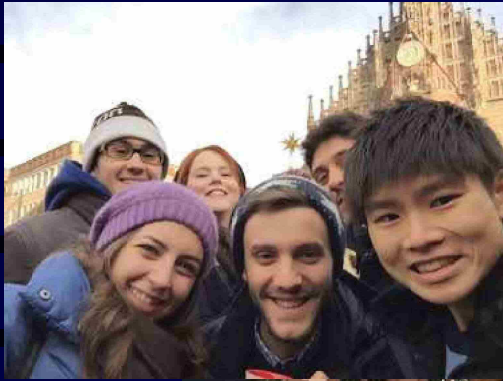
Known as one of top business schools in Europe



① Econ. Dept. → **Master of Management**
Very French. Student Exchange Welcome

② Other Depts. + Foreign (60%) → **MBA**
Already Very International

Goethe University Frankfurt



Open Atmosphere

Possible Areas of
Research Collaboration –
Contents, Automobile, Finance --

Mr. Kenmochi, 2016

Future of the Student Exchange with European Universities and Colleges

Revival of motivations to come to Japan for education and research

Europe is facing many problems. – Japan is an advanced nation of problems .

Japan is surviving after so many problems . Why?

Japan still have some strong industries and companies – Why?
(Game, Animation Automobile, etc.)

Inbound: Availability of English-spoken courses (about 30% in 2014)

Outbound: Openness and diversity of HEC and U-Frankfurt

Most Important Thing · · Mutual Understanding and Respect

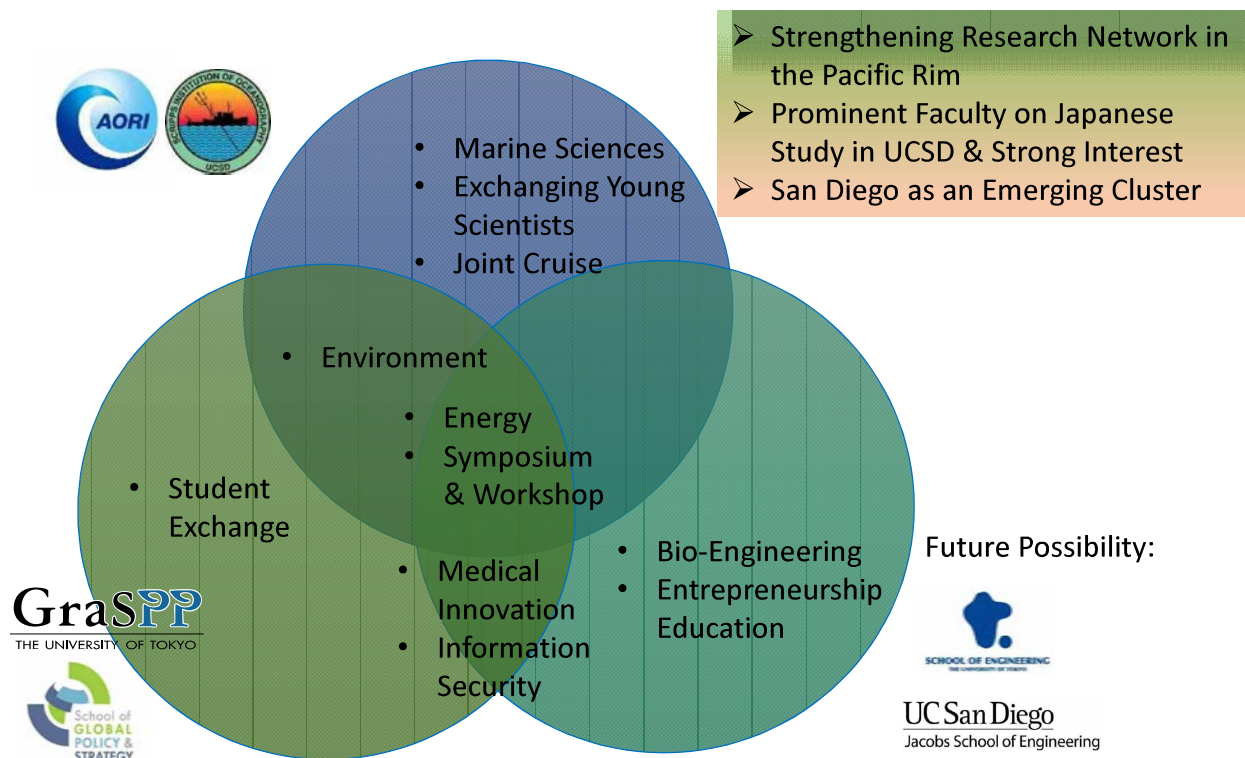
(Frankfurt , June 2015, with Prof. Guido Friebel)



Strategic Partnership between UTokyo and UCSD



UTokyo-UCSD Strategic Partnership



AORI-SIO Partnership



Atmosphere and Ocean Research Institute (AORI), UTokyo



Scripps Institute of Oceanography (SIO), UCSD

- **Leading Institutions in marine sciences in the east and west of the North Pacific Ocean**
- Long history in scientific cooperation, **signed MOU in 1988**
- Individual based cooperation including exchange scientists, joint cruises, joint research programs, joint symposiums
- Exchanging scientists as PostDoc and guest scientists

Both Institutions lead tighter and interdisciplinary cooperation under UTokyo **Top Global University Project** (~2015)

AORI-SIO Partnership

Activity FY2015

- Meeting for future cooperation and MOU revision
- Sending young scientists for joint research (eg, Orca diving & physiology)
- Revision of MOU (March 29, 2016)



Planning Activity FY2016~

- Exchanging young scientists for joint research (~6 mo)
- Joint cruise (Hakuho-Maru, Dec. 2016) and joint projects
- Joint symposium for exchange info. & for research funding (Aug. 2016)
- East-West comparative study of the North Pacific Ecosystems

For **world leading interdisciplinary marine sciences**

For **dissemination** of scientific knowledge **to society**

For **win-win** relationship by exploiting infrastructure & excellent human resources

For improving **mobility** of students and staff

GraSPP-GPS* Partnership

*School of Global Policy and Strategy, former name: IR/PS

History

- Cooperation by faculty members on individual base (Prof Ito at GraSPP and Prof Hoshi at IR/PS)
- Around 2007 Started Sending GraSPP's practitioner faculty members to UCSD (IR/PS) as fellowship
- In 2008 student exchange started

Other Cooperation Examples with UTokyo 東京大学 THE UNIVERSITY OF TOKYO

- 2012- UC San Diego Future Global Leaders Program (Global Leadership Institute at GPS with the Division of International Affairs at UTokyo)
- 2016.1-2 UC San Diego Winter Program

GraSPP-GPS Partnership

Activity in AY2015

- 2015.11 Visited UCSD and had meetings with:
GraSPP + AORI and SIO
GraSPP + Engineering and GPS + Jacobs School of Engineering
- 2016.2 Participation by Professor Vish Krishnan, Rady School of Management to a GSDM* Symposium

*GSDM: The Global Leader Program for Social Design and Management, an interdisciplinary doctoral program with participation from 20 departments at UTokyo

- 2016.3 International Workshop on Medical Innovation with GPS
=>GraSPP students and GSDM students participated
- MOU to expand number of students to exchange to be signed in AY2016 (together with Faculty of Science)
- Possible exchange in PhD level

Dept of Engineering (UTokyo) and Jacobs School of Engineering (UCSD)

- 2016.1 Two Deans of Dept of Engineering (Prof Mitsuishi) and the Jacobs School of Engineering (Prof Pisano) met
- 2015.11 A faculty member joined the visit

<Possible Collaboration>

- Joint research in Bio-Engineering
- Entrepreneurship education
- Energy
- Information Security

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English <http://www.u-tokyo.ac.jp/en/academics/sgu.html>

Japanese <http://www.u-tokyo.ac.jp/res02/sgu.html>

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