

English

QREC

ANNUAL  
REPORT  
2014-15



KYUSHU  
UNIVERSITY

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ROBERT T. HUANG ENTREPRENEURSHIP CENTER OF KYUSHU UNIVERSITY




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Dr. Robert T. Huang

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In order for Kyushu University to produce future global leaders who challenge themselves to make their dreams into reality, QREC strives to be one of the top entrepreneurship centers in Asia.

Hirofumi Taniguchi

Director General, Robert T. Huang Entrepreneurship Center of Kyushu University (QREC)  
Professor, Arts, Science and Technology Center for Cooperative Research, Kyushu University (KASTEC)



The sources of humanity’s creative activities are intellectual curiosity and an indomitable spirit, which also serve as driving forces of innovation. Entrepreneurship is not limited only to the entrepreneurial spirit behind startups and ventures, but should be understood to encompass the essential qualities of the individual who shoulders the responsibilities for advancing society and developing the world. The objective of our center’s program is the development of innovative leaders who will embark on creating new values and bring about societal change.

In addition to seeking closer ties with domestic and international organizations and institutions, QREC itself will pursue specific goals by taking on new initiatives to achieve the above objective.

In 2014 academic year, the fourth year since our establishment, the Center held entrepreneurship-related lectures on 30 subjects, including lectures on 5 new subjects added that year. The Center offers consistent, systematic entrepreneurship education for students throughout Kyushu University, from first-year undergraduates in every school to doctoral degree candidates in graduate school. The unique education provided here has received very positive evaluations from students, and the number of participants in 2014 rose to 806 (number of regularly enrolled students), an increase of more than 30% over the previous academic year. The cumulative number of students who have studied at the Center since its founding in 2011 academic year is 2,224, a figure that shows how the experiments of the Center are permeating themselves throughout the University.

In terms of course operation, the Center is further expanding its popular two-way courses including workshops and group discussions, and has promoted teaching with a sense of realism with the help of over 50 business professionals invited to speak as guests. The Center has also established an academic collaboration partnership with Aalto University in Finland from the perspective of fostering global innovation personnel, and is pursuing global education by, for example, inviting elite teaching staff from Aalto University to participate in intensive courses at the Center. Furthermore, in the first half of the year the Center was at the core of the adoption by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) for its Enhancing Development of Global Entrepreneur Program (EDGE), along with seven other partner organizations of the University. We were also awarded the highest award in the support category of the 2014 Japan New Business Creation Awards organized by Japan New Business Conferences, and are generally earning a favorable reputation outside of the University.

In terms of research activities, the Center aims to be a research hub in the recently closely watched area of nurturing human resources for innovation, hosted the Innovation Education Conference for the first time outside of Tokyo, and were able to draw many participants from throughout Japan.

I hope that this report allows the leaders to more fully understand the Center’s activities, and that you will share your opinions and suggestions with us.

Thank you for your continued support and cooperation.

Toru Tanigawa

First Director General of QREC until 2014 academic year  
Specially-appointed Professor  
Enhancing Development of Global Entrepreneur Program (EDGE), QREC

QREC has grown into one of Japan’s leading entrepreneurship education and research organizations since its establishment in December 2010. I look forward to even greater things from QREC under the leadership of Prof. Hirofumi Taniguchi, who has been appointed as QREC Director -General in April 2015.





# 1 An Overview of QREC

## Background ➤

The Robert T. Huang Entrepreneurship Center of Kyushu University (QREC) grew out of a donation made to commemorate the centennial anniversary of Kyushu University by Dr. Robert T. Huang, a prominent alumnus of the university who has achieved significant success in the United States. That donation led to a drastic reorganization and reconstruction of the university's former Venture Business Laboratory and the establishment of the Center in December 2010 as a full-scale entrepreneurship education and research center. The Center was established against the background of Japan's growing need for education to develop human resources that will take on the challenge of creating new values (entrepreneurship education), education in management of technology (MOT) that shows students how they can transfer their research results and technologies to society, and education for development of global human resources. Kyushu University therefore established the Center and positioned it as an important systematic initiative for addressing these issues.

## QREC focuses on the following six activities

QREC provides both undergraduate and graduate students at Kyushu University with systematic, pragmatic, and interdisciplinary education concerning entrepreneurship, while carrying out R & D activities on entrepreneurship in collaboration with leading national and international universities and research institutes that are highly recognized in terms of entrepreneurship education.

- 1 Providing all students in Kyushu University with advanced and systematic education concerning entrepreneurship
- 2 Conducting research on entrepreneurship and effective methods of entrepreneurship education
- 3 Carrying out social and regional entrepreneurship activities in collaboration with the community
- 4 Disseminating information on entrepreneurship, and carrying out exchange activities with domestic and overseas institutes to promote closer collaboration
- 5 Assisting with R & D activities concerning venture businesses
- 6 Operating and managing business incubation facilities

Through these efforts, QREC aims to achieve our objectives, which include leadership development at Kyushu University, further internationalization and effective branding of Kyushu University, and the enhancement of social cohesion by promoting industry-academia collaboration.

## Activities ➤

## Developing future leaders who will play active roles in the global arena

QREC provides students at Kyushu University with a leading entrepreneurship education that will produce future entrepreneurial leaders who can spread their wings internationally, and with a sense of independence and ambition, a global point of view, and a willingness to actively create new values.

QREC strives to develop talented individuals who will challenge themselves to not only start new ventures but also create new values in a large company, in academia, and in any other field in society.

QREC serves as a hub for the nurturing of entrepreneurship in our region.

## [The Talents We Foster]

- The ability to discover and/or create an opportunity by one's self, to set one's goals and to find the path to achieve them
- The willingness to challenge one's self to create new values
- A sense of independence
- The knowledge and ability to observe society and the world from a broader point of view ("T-shaped people", "Global talent")
- The motivation to utilize knowledge in society, as well as the ability to create practical value ("MOT people")

## Our Mission ➤

## Our Strength ➤

### Systematic entrepreneurship education intended for both undergraduate and graduate students

QREC is Japan's first institute to offer systematic and integrated entrepreneurship education programs for students from both undergraduate and graduate school.

### A combination of entrepreneurship education and MOT education

QREC gives a broader definition to "entrepreneurship education", and offers comprehensive education programs with the aim of producing future leaders.

### Practical approach to industry-academia collaboration

QREC encourages students to participate in international student organizations for networking purposes, while promoting interactive and student-participation programs. QREC uses the case study method to offer practical, hands-on training. QREC asks industries for their active participation in providing human resources and opportunities for practical training programs.

### Interdisciplinary education programs, Students from diverse backgrounds

QREC sets up and runs education programs jointly with other departments and schools of Kyushu University, including the Graduate School of Engineering, Graduate School of Information Science and Electrical Engineering, Graduate School of Bioenvironmental Science, Graduate School of Design, and the 21st Century Program. QREC promotes interdisciplinary projects, and encourages students who come from diverse backgrounds to learn and work together.

### Global perspectives

In collaboration with leading international universities and institutions, QREC ensures opportunities for people to interact with the best resources available overseas. QREC also encourages foreign students to take an active part in QREC programs, and promotes collaboration with the International School of Arts and Sciences of Kyushu University (a new department in the planning stage), so that it can teach students to acquire global perspectives.

### Responding to today's need

QREC responds to today's diverse new trends, such as businesses in emerging markets and social entrepreneurship.

## The Types of Entrepreneurs that QREC Develops

### Global

QREC is building its network with universities and industries in the United States, Europe, Asia, and other parts of the world. In doing so, QREC aims to design a curriculum that meets international standards, while actively promoting international exchange activities for students and faculty members. Additionally, QREC encourages foreign students to take an active part in QREC programs. Their participation brings diversity to the learning environment at QREC.

### Practical

The courses QREC offers to students are not limited to classroom lectures. The curricula of QREC include case study analyses, lectures by invited active entrepreneurs, Project Based Learning, and interactive discussions. In this way, QREC provides students with a practical, dynamic, and interdisciplinary education. Moreover, in cooperation with industry, QREC holds lectures jointly with its partner companies, and promotes internship programs.

### Design

In order to produce new social value, we need to find and identify the problems, and then "design" how we solve them. Enhancing a person's ability to design and generate an idea will help that person fulfill a personal dream, and QREC aims at developing each student's ability to design.

QREC aims to be an internationally competitive and unique organization that trains students to respond to present-day challenges such as business in emerging countries and social business. QREC strives to be one of the top full-fledged entrepreneurship education and research centers not only in Kyushu and Japan, but also in Asia.

- Venture capitalists
- Social entrepreneurs
- Individuals who implement new businesses at major corporations
- New policy planners and implementers at public institutions
- Innovative university researchers

2 History

Year of Establishment/ Commencement	Organization/Program	
1996 (April)	● Establishment of the Venture Business Laboratory (VBL) *Predecessor of QREC	VBL was established by an allocation in the 1995 government budget that covered “Expenses For Promotion of Creative Research and Development Centered Around Graduate Schools,” with the purpose of carrying out creative and advanced interdisciplinary studies, as well as to support research projects that nurture young entrepreneurs.
1997	● Commencement of Challenge & Creation (C&C)	The C&C was initiated as a university-wide project (idea competition) subsidized by the President’s discretionary expense fund.
2006	● Commencement of Kyushu University Robert T. Huang Entrepreneurship Program (QREP)	QREP is an entrepreneurship program conducted each year in Silicon Valley in the United States with the aim to cultivate a willingness to take on challenge and to foster global awareness.
2010 (December)	● Establishment of the Robert T. Huang Entrepreneurship Center of Kyushu University	With a substantial donation to commemorate the centennial anniversary of Kyushu University by Dr. Robert T. Huang, a prominent university alumnus, the Venture Business Laboratory was fundamentally reorganized and restructured into QREC.
2011 (January)	● Holding of a symposium to commemorate the establishment of QREC	The symposium was held at Inamori Hall on the Kyushu University Ito Campus, and congratulatory messages were received from John Victor Roos (former United States’ Ambassador to Japan), the Ministry of Education, Culture, Sports, Science and Technology, the Ministry of Economy, Trade and Industry, and others. A panel discussion was conducted on the theme of “Can Entrepreneurs Be Taught? The Challenge for Universities”.
2011 (April)	● Commencement of formal lectures (16 subjects initially)	University-wide education; graduate school common subjects; the lectures have expanded to 30 subjects as of 2014 academic year.
2012 (September)	● Holding of the National VBL Forum	VBL forum held in Fukuoka for 45 universities nationwide with QREC as the host.
2013 (June)	● QREC's educational initiatives are mentioned in the 2013 White Paper on Science and Technology	Mentioned as a good example of an organization developing human resources for science, technology and innovation.
	● Students taught by QREC instructor win a business plan competition in America	A student group in the Department of Hydrogen Energy Systems, Graduate School of Engineering, supervised by Associate Professor Megumi Takata won the Grand Prize in the "Hydrogen Student Design Contest 2013" organized by the United States Department of Energy (DOE).
2013 (September)	● Holding of a 3-day International Workshop on Entrepreneurship Education	A first-time experiment for QREC, the three-day international workshop on entrepreneurship education (Language: English) was held in Fukuoka, bringing together educators and participants from 11 countries. *International Workshop on Entrepreneurship Education (IWEE)
2014 (August)	● Selected by MEXT for the EDGE Program	Representing eight Kyushu University departments, QREC applied for and won recognition as an EDGE (Enhancing Development of Global Entrepreneur) Program, a major budget item for the 2014 fiscal year implemented by MEXT.
	● Global Challenge & Creation (G.C&C) Kicked off as a program to assist participation in overseas business plan competitions	The winning student group of the President's Award for the 2013 academic year's Challenge & Creation (C&C) entered the 2014 TECO Green Tech Contest Rules of Competition (Taiwan).
2014 (November)	● 9th Japan New Business Creation Awards, Support category Winner, METI Minister's Award (the top award)	Won the METI Minister's Award, the highest award in the Support category of the 9th Japan New Business Creation Awards, organized by the Japan New Business Conferences association.
2015 (March)	● Hosted the 3rd Innovation Education Conference Annual Meeting	With QREC serving as host and coordinator, the 3rd Innovation Education Conference Annual Meeting was held at Kyushu University, the first time the event was held outside of Tokyo.

## QREC Core Faculty members



**Professor Toru Tanigawa**  
Director General, Robert T. Huang Entrepreneurship Center  
Deputy Director General, Arts, Science and Technology Center for Cooperative Research  
●Field of specialization: Regional economic policy, entrepreneurship, industry-university Cooperation



**Associate Professor Shingo Igarashi**  
Deputy Director General, Robert T. Huang Entrepreneurship Center  
●Field of specialization: Entrepreneurship, management strategy theory



**Associate Professor Hironobu Tamaki**  
Adviser to the Director General, Robert T. Huang Entrepreneurship Center  
●Field of specialization: Start-ups, venture management



**Associate Professor Emi Makino**  
Adviser to the Director General, Robert T. Huang Entrepreneurship Center, Education Center for Global Leaders in Molecular Systems for Devices  
●Field of specialization: Management strategy theory, organizational development, social systems theory, flow theory, entrepreneur education



**Professor Megumi Takata**  
Department of Business and Technology Management, Faculty of Economics  
●Field of specialization: University-Industry Collaboration, Management of Technology (MOT), Entrepreneurship



**Associate Professor Ei Shu**  
Department of Business and Technology Management, Faculty of Economics  
●Field of specialization: Innovation management



**Associate Professor Yasuyuki Hirai**  
Department of Design Strategy, Faculty of Design  
●Field of specialization: Inclusive design, design thinking, living space design

(As of March 2015)

## QREC Lecturers

### (Part-Time Lecturers)



**Professor Hirofumi Taniguchi**  
Art, Science and Technology Center for Cooperative Research, Kyushu University



**Professor Hironori Higashide**  
Graduate School of Commerce and Business School, Waseda University



**Professor Masaki Kuroki**  
Assistant Dean, Management Studies Department, Ritsumeikan University



**Associate Professor Jin-ichiro Yamada**  
Graduate School for Management Studies, Osaka City University

### (Visiting Professors)



**Mr. Jeffrey B. Schnack**  
President, 3Rock KK



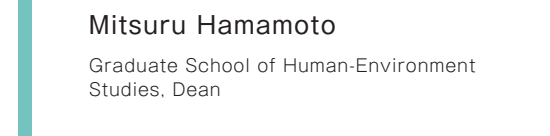
**Professor Ken Senoh**  
President and Chairperson of the Industry-Academia Collaboration Initiative, a Nonprofit Organization



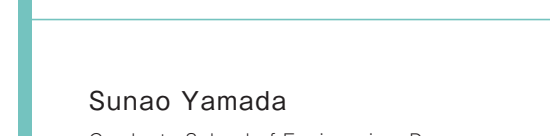
**Mr. Shingo Konomoto**  
Nomura Research Institute, Ltd., Consulting Division, Senior Corporate Managing Director

(As of March 2015)


## QREC Steering Committee Members



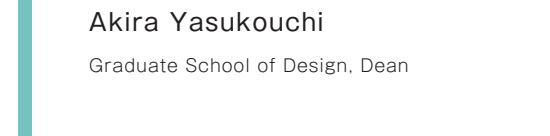
**Mitsuru Hamamoto**  
Graduate School of Human-Environment Studies, Dean



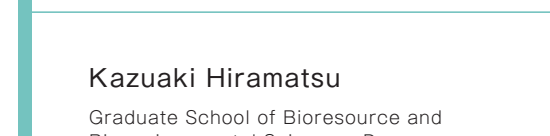
**Sunao Yamada**  
Graduate School of Engineering, Dean



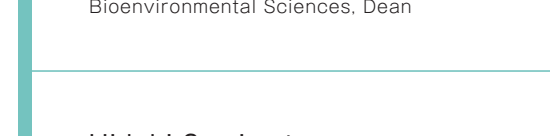
**Akira Yasukouchi**  
Graduate School of Design, Dean



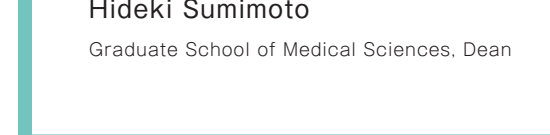
**Kazuaki Hiramatsu**  
Graduate School of Bioresource and Bioenvironmental Sciences, Dean



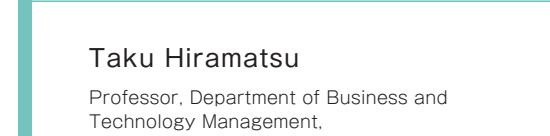
**Hideki Sumimoto**  
Graduate School of Medical Sciences, Dean



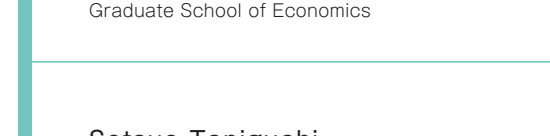
**Taku Hiramatsu**  
Professor, Department of Business and Technology Management, Graduate School of Economics



**Setsuo Taniguchi**  
Vice-president of the Faculty of Arts and Science



**Toru Tanigawa**  
Director General, QREC



**Shingo Igarashi**  
Deputy Director General, QREC

## QREC Advisory Committee Members

(Professional titles omitted)



**Dr. Robert T. Huang**  
Founder of SYNEX Corporation, ThreePro Group Inc. Chairman, Honorary Doctor of Kyushu University



**Dr. Shuichi Matsuda**  
Chairman, WERU INVESTMENT Co., Ltd., Director (Former President), The Japan Academic Society for Ventures and Entrepreneurship, Professor Emeritus, Doctor of Commercial Science of Waseda University



**Dr. Richard B. Dasher**  
School of Engineering, Stanford University, Director, Consulting Professor, US-Asia Technology Management Center



**Koichiro Nakamura**  
Representative of Japan, Kauffman Fellows Program, Managing Director, Sozo Ventures



**Hirokazu Hasegawa**  
Chairman, Japan New Business Conference Associations, Chairman & CEO, HASEGAWA Co., Ltd.



**Allen Miner**  
Chairman & CEO, Sun Bridge Group, First generation representative of Oracle Japan



**Yasuyuki Abe**  
Head of Corporate Planning & Coordination Group, Senior Managing Executive Officer, Sumitomo Corporation



**Mariko Takahashi**  
Senior Staff Writer, Science and Medical News Section, The Asahi Shimbun



**Shuhei Morofuji**  
President, SMS Co., Ltd.



Led by QREC, Kyushu University's proposed programs have been

selected by MEXT as an EDGE Program for the 2014 fiscal year



Kyushu University's Global Innovation Talent Development Ecosystem Creation Program, proposed by Robert T. Huang Entrepreneurship Center (QREC), has been selected as an EDGE (Enhancing Development of Global Entrepreneur) Program, which falls under the 2014 Science and Technology Human Resources Development Aid Program run by the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

The purpose of the selected program is to create a regional and global innovation talent development ecosystem by expanding the initiative led by QREC to the entire university for fostering global entrepreneurs (innovators) and by strengthening the local ties with Fukuoka City and the vast existing overseas network. The goal is to produce true innovators who can start ventures by reinforcing existing education and creating new educational courses that concentrate on the commercialization stage.

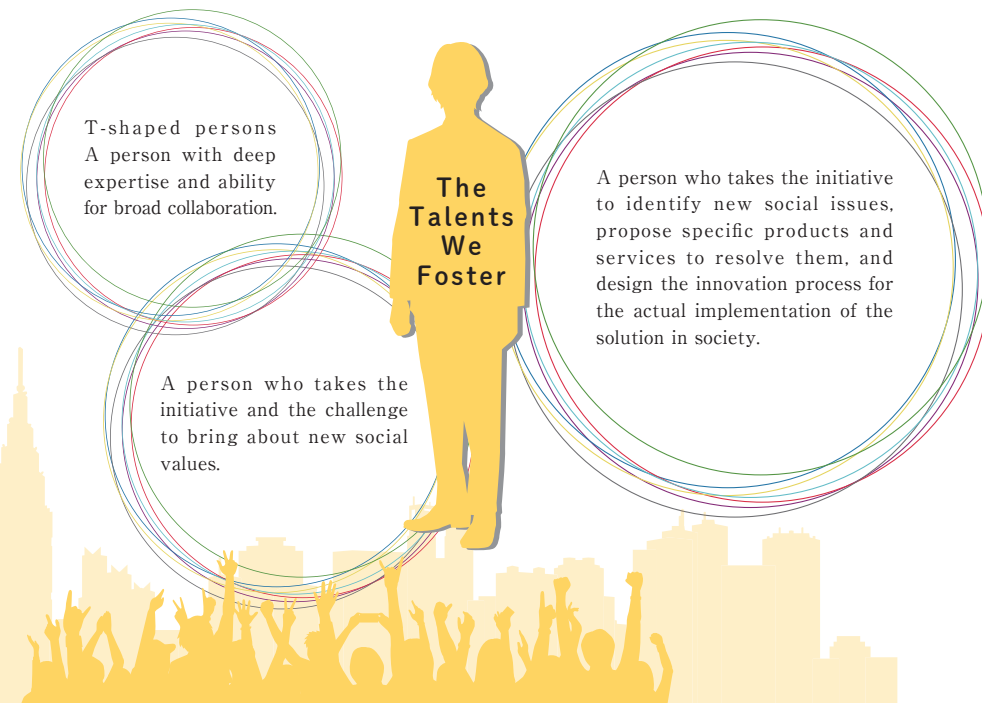
Backed by our Faculty of Design, we will also leverage our strength in design research and education to implement a distinguished education for innovation creation.

\*Our proposal was one of the 13 proposals accepted, out of 55 proposals.

FY 2014  
EDGE Program

The EDGE Program, which publicly calls for proposals, is a new program for energizing innovation. The purpose of the EDGE Program is to: create ventures based on the results of research and development performed at universities; develop talent who can promote the creation of new businesses from existing companies; and create an Innovation Ecosystem through the engagement of personnel and institutions associated with the EDGE Program.

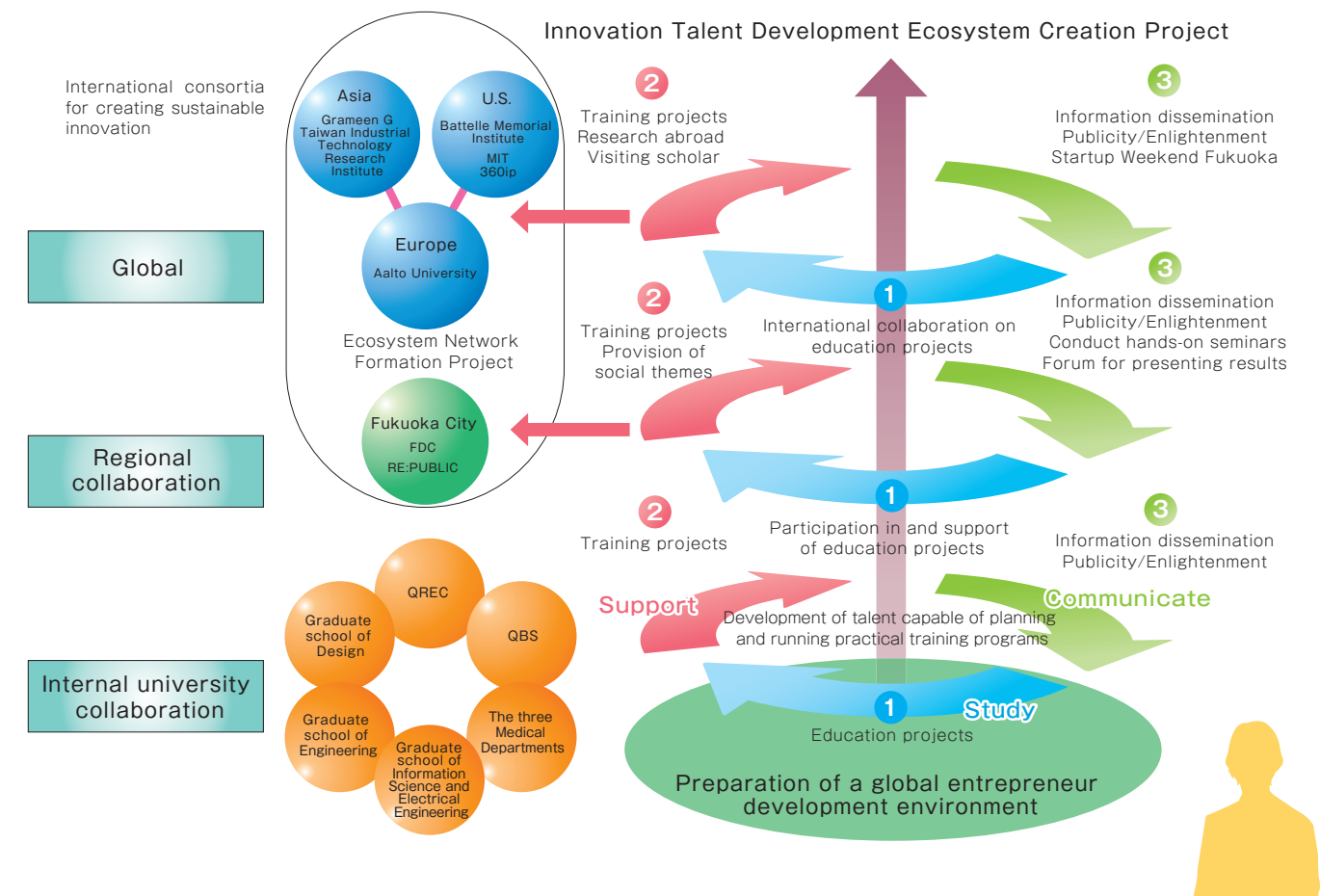
## Activities



The program will simultaneously kick off Project-Based Learning (PBL) Innovation education in many of Kyushu University's organizations. Through this effort Kyushu University will become the center of development of entrepreneurs who bring about innovation to the world.

## Forming the Innovation Ecosystem

- The Innovation Ecosystem will be built in three stages: 1. The university ecosystem; 2. Regional (Fukuoka) ecosystem; 3. Global ecosystem
- The University will build an Innovation Ecosystem (establish an Innovation Education Committee) for internal university collaboration to facilitate cross-departmental talent development between the eight organizations under the auspices of this educational program. Led by QREC, the organizations are the Graduate school of Design, the Graduate school of Medical Sciences, the University Hospital, the Center for Advanced Medical Innovation (CAMI), the Graduate school of Engineering, the Graduate school of Information Science and Electrical Engineering, and the Kyushu University Business School (QBS).
- The Regional Innovation Ecosystem that brings industry, government and academia together, will be built through promotion of close cooperation with Fukuoka City (a designated National Strategic Special Zone) and the Fukuoka Directive Council (FDC).
- The global aspect will involve leveraging and strengthening Kyushu University's overseas network to form a new platform for new business creation, on top of acquiring the resources required for the program.



## Distinctive details of the EDGE Program

- The program will leverage the track record, as appropriate, of QREC, the leading program of its kind.
- Create a university-wide, regional, and global Talent Development Ecosystem founded on the above track record.
- In addition to the traditional educational foundation, education on commercialization will be further reinforced.
- Build an educator development system that will take ownership of PBL innovation education and build a sustainable talent development structure.
- Engage in expanding the application areas for Design Thinking, such as for addressing needs.

## Details of the EDGE Program

### Education programs

Nine education programs have been developed that incorporate the distinctive features of the eight participating university departments.

\*N.B. ①, ④, ⑤, ⑦, ⑧, and ⑨ are education programs offered by QREC.

- ① Collaborative joint PBL training program with Aalto University (Finland) (QREC and Faculty of Design)
- ② Medical innovation talent development program (Faculty of Medical Sciences, University Hospital, and CAMI)
- ③ Collaborative online Fab Academy program with MIT (USA) (Faculty of Design)
- ④ Industry-academia collaborative PBL innovation talent development program (QREC and Faculty of Engineering)
- ⑤ Science students and QBS collaborative education program for commercializing technology (QBS)
- ⑥ Collaborative innovation education program with Fukuoka City (QREC and Faculty of Design)
- ⑦ Social business education program for emerging markets (BOP: Base of the Pyramid) (QREC and Faculty of Information Science and Electrical Engineering)
- ⑧ Collaborative practical design thinking training program with IDEO (QREC and Faculty of Design)
- ⑨ Overseas students business plan competition promotion program; Offered as a student project (QREC)

## 4 2014 Topics (Specialty Lectures)

Fostering deep insight into social challenges and the power of intellect and international sensibility needed for resolving challenges

### “Global PBL Program”



The Global PBL Program is a joint “university-global” program between QREC (in collaboration with the Faculty of Design) and Aalto University. For the PBL classes, Professor Kari-Hans Kommonen, the director of the Aalto University Media Lab, provided direct instruction to the class on the theme, Redesign of Society for 2040. Final presentations were held at Aalto University.

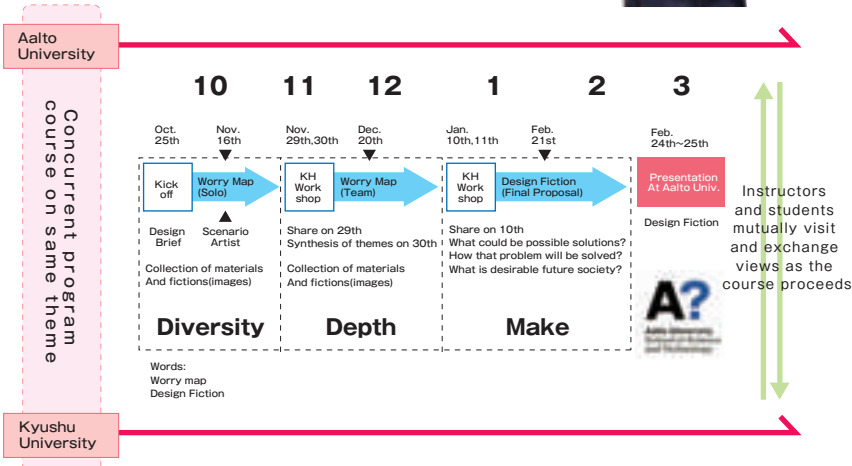


### A? X Kyushu University

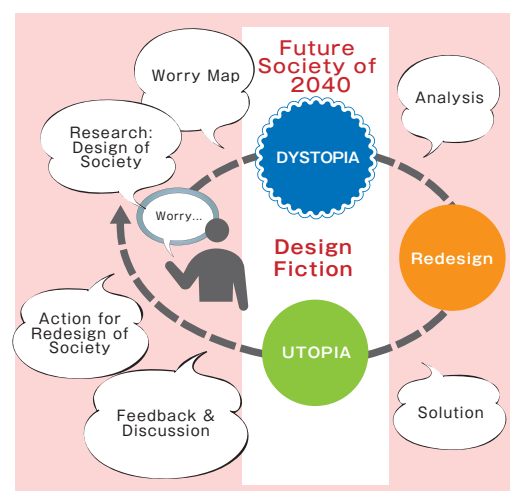
#### Features

- 1 Workshop in English conducted by Professor Kommonen once every two months
- 2 Lectures and workshops that approach and analyze various designs for society
- 3 Experimental initiative to learn Social Design using the Design Fiction method
- 4 Final presentation in Finland. Discussions and exchanges with Aalto University instructors and students for developing deeper thinking and international sensibility.

#### Schedule



Theme: Redesign of Society for 2040



Divided into four teams, 19 students worked on the theme, Redesign of Society for 2040. The Design Fiction method, in which expressive scenarios with a protagonist and story or sketch are developed, was employed to invoke Empathy in people from a data-driven abstract prediction that is specific and hits close-to-home. Analysis of the created scenarios are then connected to the challenges and the discovery of solutions. The teams endeavored to redesign a likely future Dystopian society into a Utopia.

The selected themes were *Contract with the Future*, *Daddy Gives Birth*, *Renewal of Ghost Cities (People, Energy, and the City)*, and *Daily Family Life and Aging*. *Daddy Gives Birth* depicted a future in which men can purchase artificial wombs and give birth, but would such technology bring people happiness? This theme stimulated an energetic debated in Finland.



The endeavor to design solutions to social challenges

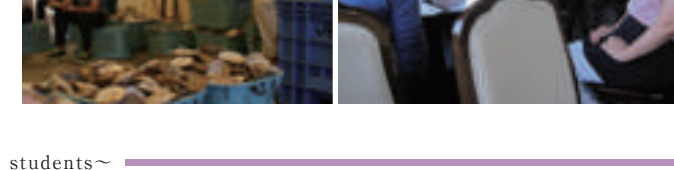
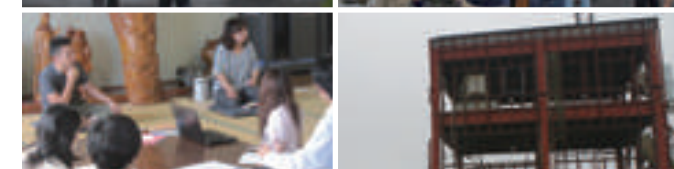
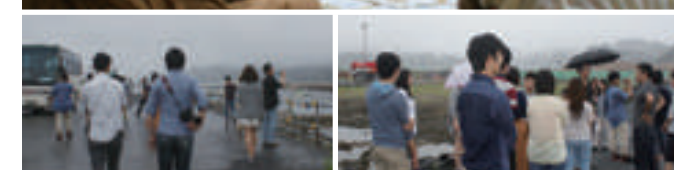
### “Social Entrepreneurship”

Education and employment solutions for regions afflicted by depopulation  
—The Tohoku region hit hard by the Great East Japan Earthquake serves as a model—

Using *Design Thinking* to take on the challenge to find a solution

Regions hit by depopulation due to dropping birthrates and aging residents. Municipalities facing the reality of a greater-than 10% drop in population due to the impact of the disaster.

How will the problems in education and employment be resolved in the face of a declining population? Students embarked on a field study in the Tohoku region for several days to cultivate the ability and ambition to solve social challenges by immersing themselves in specific proposals and tangible projects that seek to resolve such problems.



Preliminary study Fukuoka City	July 19(Sat.) , July 20(Sun.) ○Lecture on challenges for disaster areas ○Fundamentals of design thinking ○NPO organizational theory, small scale finance
On-site Fieldwork Minamisanriku-cho and surrounding disaster-struck areas	August 16(Fri.) to August 23(Sat.) ○Lectures at Tohoku University and the Reconstruction Agency ○Ishinomaki City to Minamisanriku-cho via Onagawa-cho ○Split into four groups; visits to and interviews of local businesses and schools ○Proposals based on group discussion results ○Preliminary presentations to participants and stakeholders ○Presentations to and exchanges of views with several new post-disaster venture companies and aid VCs.
Follow-up Fukuoka City	August 30(Sat.) ○Investigation results shared, ideas collected for resolving the challenges ○Conceptual models of resolution and prototyping
Presentation of final results Fukuoka City	September 21(Sun.) ○Presentation and assessment of practical business plans for resolving the education and employment problems

The Key is Awareness ~Voices of participating students~

Preparedness	Fieldwork	Brainstorming	Mentor
This helped me internally to become resolved and acquire the confidence to be engaged and fulfill my obligations as a member of society.	I learned the importance of making field observations and listening directly to the voices of those adversely impacted.	I was able to come up with new ideas from discussions with students of different backgrounds.	I picked up hints for starting up a business from my communication with experienced mentors (social entrepreneurs, managers, and talented consultants).

#### OUTPUT

##### “Virtual Master – John’s Cafe” and “Traveling Izakaya”

Based on local feedback that exposed the weak matrical relationships between age groups and cities/regions, the need for a community that arises as a result of migration between regions, employment problems for young people and people with young children, and the problem of how to utilize abandoned homes, I discerned there was a need for planned and attractive communities.

##### “Hometown Exchange Program”

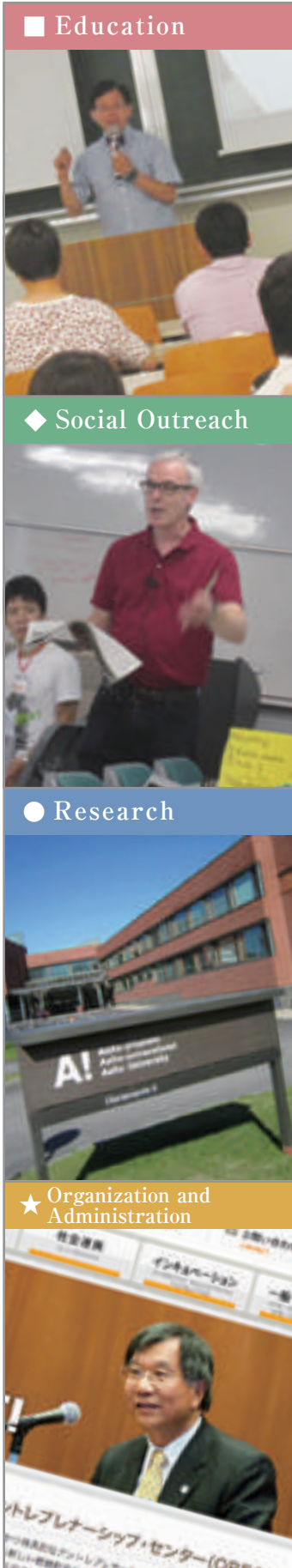
One likely reason among others for the flight of young people from the regions is that they are not aware of the appeal of living in the local area, something they discover when they leave their hometown and look back on regional life from afar. Those who live in metropolitan areas who see from afar the advantages of living in the regions and those from the regions can mutually exchange their thoughts and disseminate the information.



## 5 2014 Schedule

	■ Education	◆ Social Outreach	● Research	★ Organization & Administration
April	■ QREC 2014 First semester classes open		<ul style="list-style-type: none"> <li>● Associate Professor Igarashi               <ul style="list-style-type: none"> <li>-visits Germany to discuss collaboration and to exchange information with Technical University at Hamburg-Harburg (April 1 to 3)</li> <li>-participates in 3E Conference in Finland (April 9 to 14)</li> <li>-visits South Korea for a meeting on Startup Weekend (April 19 to 21)</li> </ul> </li> </ul>	★ Distribution of QREC 2014 course procedures begins
May	<ul style="list-style-type: none"> <li>■ Presentation ceremony of the President's Award for C&amp;C 2013 (May 30)</li> <li>■ C&amp;C 2014 Examination Board (May 20)</li> </ul>		<ul style="list-style-type: none"> <li>● Associate Professor Makino presents at the Society for Industrial and Organizational Psychology in Hawaii (May 15 to 17)</li> </ul>	<ul style="list-style-type: none"> <li>★ QREC Steering Committee convened (May 13)</li> <li>★ QREC Advisory Committee convened (May 26)</li> </ul>
June	■ AC 2014 Examination Board (June 19)		<ul style="list-style-type: none"> <li>● Associate Professor Makino presents at the Open Strategy Paper Development Workshop, Oxford University (June 30 to July 1)</li> </ul>	
July				
August	<ul style="list-style-type: none"> <li>■ Social Entrepreneurship training in Tohoku (August 16 to 23)</li> <li>■ G.C&amp;C (Taiwan TECO) participation (August 25 to 29)</li> </ul>		<ul style="list-style-type: none"> <li>● Associate Professor Makino presents at the Academy of Management, Philadelphia, PA (August 1 &amp; 2)</li> </ul>	<ul style="list-style-type: none"> <li>★ Selected by MEXT for the EDGE Program (August 4)</li> <li>★ Conclusion of collaboration agreement with Aalto University</li> </ul>
September	<ul style="list-style-type: none"> <li>■ Global Seminar Intensive Lecture (September 6 &amp; 7)</li> <li>■ Intensive Lecture on Strategic Design Thinking conducted jointly with IDEO (September 24 to 27)</li> <li>■ QREC 2014 Summer Camp with Deloitte Tohmatsu Consulting -Learning the Analytical Methods of Consultants- (September 28 to 30)</li> </ul>		<ul style="list-style-type: none"> <li>● Associate Professor Igarashi               <ul style="list-style-type: none"> <li>-visits the Chalmers University of Technology in Sweden to conduct interviews</li> <li>-visits Aalto University in Finland to conduct interviews (September 15 to 27)</li> </ul> </li> </ul>	★ 11th National VBL Forum (September 19 & 20)
October	<ul style="list-style-type: none"> <li>■ QREC 2014 Second semester classes open</li> <li>■ Idea Battle Examination Board (October 15)</li> <li>■ QSHOP Business Plan Presentation (October 16)</li> </ul>		<ul style="list-style-type: none"> <li>● Associate Professor Tamaki participates in the ACSB 2014 Asian SME Conference in South Korea (October 27 to 30)</li> </ul>	
November	■ QSHOP Kyudaisai Festival Simulated Store Operation (November 22 & 23)	◆ QREC/KASTEC Collaborative Entrepreneurship Seminar "How Will the Development of Digital Manufacturing Change Individuals, Businesses, and Communities?" (November 15)	<ul style="list-style-type: none"> <li>● All academic staff participate in Japan Academic Society for Ventures and Entrepreneurs in Tokyo (November 29 &amp; 30)</li> </ul>	★ 9th Japan New Business Creation Awards, Support category Winner, METI Minister's Award
December		<ul style="list-style-type: none"> <li>◆ MEXT EDGE Program: Workshop for Mastering Design Thinking (December 13 &amp; 14)</li> <li>◆ Brown-bag Seminar hosted by QREC               <ul style="list-style-type: none"> <li>-A Commitment to Fostering JVs Originating in Tohoku that Change and Support Society- (December 15)</li> </ul> </li> </ul>		
January	<ul style="list-style-type: none"> <li>■ QSHOP Audit and Shareholders Meeting (January 15)</li> <li>■ Second semester assessment meeting with students (January 28)</li> </ul>		<ul style="list-style-type: none"> <li>● Professor Tanigawa and PM Yamada               <ul style="list-style-type: none"> <li>-visit the University of Dhaka to conduct social business feasibility study in Bangladesh and hold discussions with cooperative organizations (January 20 to 23)</li> </ul> </li> <li>● Associate Professor Makino               <ul style="list-style-type: none"> <li>-visits France for StratX Intensive Instructor Training (January 25 to 28)</li> </ul> </li> <li>● PM Yamada               <ul style="list-style-type: none"> <li>-LEGO Serious Play facilitator training (January 29 to February 1)</li> </ul> </li> </ul>	
February	<ul style="list-style-type: none"> <li>■ Idea Battle Presentation (February 16)</li> <li>■ C&amp;C 2014 Final Presentations (February 17)</li> <li>■ AC 2014 Final Presentations (February 18)</li> <li>■ Global PBL Program: lectures at Aalto University (February 23 to 27)</li> </ul>	◆ MEXT EDGE Program: Workshop on Entrepreneurship in Designing New Value for BOP People (February 18)	<ul style="list-style-type: none"> <li>● Associate Professor Igarashi               <ul style="list-style-type: none"> <li>-visits Royal Institute of Technology, Stockholm School of Economics, The University of Gothenburg and others in Sweden to conduct interviews (February 24 to March 12)</li> </ul> </li> </ul>	
March	<ul style="list-style-type: none"> <li>■ 10th QREP Silicon Valley Training Session (March 1 to 8)</li> <li>■ Design Innovation PBL Program collaborated with Industry Final Presentations (March 22)</li> <li>■ EDGE Symposium (March 23 &amp; 24)</li> </ul>	◆ Asia Round Table (QREP Final Presentations) (March 21)	<ul style="list-style-type: none"> <li>● Associate Professor Igarashi               <ul style="list-style-type: none"> <li>-visits the U.S. to exchange information with Dr. Robert T. Huang and others (March 30 &amp; 31)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>★ The 3rd Innovation Education Conference Annual Meeting (March 15 to 17)</li> <li>★ QREC Alumni Tokyo (March 24)</li> </ul>

## 6 An Overview of Activities



<h3>■ Education</h3> <p>Based on the image of human resources to be developed, cutting-edge entrepreneurship education is carried out. In addition to the advanced educational concepts, QREC offers leading programs including two-directional lectures focusing on discussions in the form of workshops, PBL lectures, lectures utilizing IT. In the 2014 academic year, the following new educational methods were introduced on a trial basis.</p> <ul style="list-style-type: none"> <li>▶ Introduction of 5 new courses for a total of 30 courses in formal lectures offered to all Kyushu University undergraduate and graduate students</li> <li>▶ Lectures incorporating the new design thinking method of education separate lectures on basics and application               <ul style="list-style-type: none"> <li>Design thinking and Strategic design thinking</li> </ul> </li> <li>▶ Introduction of courses entirely taught in English (by visiting professors from overseas)               <ul style="list-style-type: none"> <li>Global Seminar (English)</li> </ul> </li> <li>▶ Commencement of educational projects incorporating new educational methods               <ul style="list-style-type: none"> <li>Hands-on workshops in the Fab Lab for an introduction to digital monozukuri.</li> <li>Design Innovation PBL program collaborated with Industry</li> </ul> </li> </ul>	
<h3>◆ Social Outreach</h3> <p>In order to meet the wide-ranging requirements of not only Kyushu University students but also the local community, events and workshops that can be attended by students from other universities or member of the general public are also held, enabling QREC to contribute to the invigoration of the local community.</p> <p>In the 2014 academic year, various seminars with an eye to globalization were held.</p> <ul style="list-style-type: none"> <li>▶ Commencement of educational projects incorporating new educational methods</li> </ul> <p>The following were held as a part of the EDGE Program that is supervised by MEXT</p> <ul style="list-style-type: none"> <li>▶ Workshop on Entrepreneurship in Designing New Value for BOP People</li> <li>▶ Workshop for Mastering Design Thinking (Facilitator development)</li> </ul>	
<h3>● Research</h3> <p>The QREC faculty has been augmented with additional educators, all of whom are conducting various research activities in their fields of specialization, proactively undergoing training not only in Japan but also overseas as well as participating in conferences, etc.</p> <ul style="list-style-type: none"> <li>▶ Workshop for Mastering Design Thinking (Facilitator development)</li> </ul> <p>In the 2014 academic year, serving as the coordinator, QREC gathered educators and participants for innovation education and hosted the following events at Kyushu University.</p> <ul style="list-style-type: none"> <li>▶ The 3rd Innovation Education Conference Annual Meeting</li> </ul>	
<h3>★ Organization and Administration</h3> <p>To facilitate the utilization of resources unavailable at universities, QREC is endeavoring proactively cooperate and collaborate with organizations both within and outside the university. QREC is also strengthening its cooperation with major departments within the university. With the selection by MEXT for the EDGE Program in the 2014 fiscal year, QREC acquired its operating budget.</p> <p>With the signing of a collaboration agreement with Aalto University, greater collaboration was achieved at the classroom level. Further, earning praise for "establishing an entrepreneurship education system and promoting collaboration and interaction with leading universities in the field, thereby successfully getting the development of an entrepreneur education model on track," the center was awarded the METI (Ministry of Economy, Trade, and Industry) Minister's Award, the highest award in the Support category of the 9th Japan New Business Creation Awards organized by Japan New Business Conferences association.</p>	

For details on each item, please see page 14 onwards.



## 6 Details of Activities

### Education



#### Lectures (University-Wide Education and Joint Education with Graduate Schools)

QREC Lectures (on 30 subjects, 8 in the first semester and 14 in the second semester, in addition to 3 lectures presented twice during both first and second semester and 2 lectures presented year-round : including intensive courses, 5 out of 30 lectures are new.)

#### Education-Related Projects

- QREC has begun offering two courses focusing on Project-Based Learning (PBL), “Global PBL Program” and “Design Innovation PBL Program collaborated with Industry” as part of the Enhancing Development of Global Entrepreneurs (EDGE) Program of the Ministry of Education, Culture, Sports, Science and Technology (MEXT).
- QREC held Nomura Research Institute (NRI)/QREC Consulting Workshop and QREC Summer Camp 2014 with Deloitte Tohmatsu Consulting Co., Ltd. a three-day workshop designed to provide students with practical experience in consulting. Additional projects included the Business Plan Competition Challenge and Creation (C&C) for Kyushu University students, the Academic Challenge (AC) academic paper competition, and the QSHOP business startup simulation program for the Kyushu University Festival. In the 2014 academic year, QREC started two new student projects: Idea Battle, in which students can learn how to put their creative but unrefined ideas into practice, and Global Challenge & Creation (G.C&C), which provides opportunities for students to participate in overseas business plan competitions. As a part of the latter project, QREC students participated in an overseas competition in Taiwan.

#### Education-Related Events

Kyushu University was the organizer of the 3rd Innovation Education Conference Annual Meeting.

#### Taking Education into the Digital Age

**【Remote Learning Implemented】**  
(10 subjects offered in the 2014 academic year)

Kyushu University offers a campus-wide study support system for the convenience of the students and to assure that they have opportunities to take classes. Using this system, QREC has instituted one additional lecture course on video that is broadcast simultaneously to the four campuses in Hakozaki, Ito, Ohashi, and Chikushi, making a total of ten subjects that are implemented in distance education.

**【Expansion of use of the e-Learning system, Kyushu University】**

The Web network that Kyushu University introduced in the autumn of 2011 was used for early adoption of Blackboard learning assistance system, and QREC supports it for all courses. Student attendance cards, questionnaires, and syllabuses and lecture materials for each lecture are being shared among faculty members and the students taking the courses.

**【Enhancement of the QREC Website】**

The menu format was changed to make it easier to deliver information necessary for students. In addition, due to the increasing numbers of international students taking QREC courses with the introduction of courses taught in English, as well as the holding of international events, the English language content of the website has been improved.

#### New Educational Methodologies

**【Workshop Format】**

The majority of QREC courses do not follow the format of one-way reception of the instructor's lectures, but rather incorporate lectures in a participatory format (workshop style) that involves two-way dialogue with instructors, group discussion, and opportunities for students to give presentations. Class sessions are all 180 minutes long, taking two consecutive periods, and they are organized to get students accustomed to thinking and acting for themselves.

**【Lectures by Businesspersons】**

QREC offers many lectures by business people who are active in the real world(as well as entrepreneurs, people who are active on the industry-government-university front). In addition to classroom lectures, these invited speakers talk to students from their experience as business people or otherwise give lectures rooted in reality. This is done to advance student understanding. In addition to the Entrepreneurship Seminar, Global Seminar and so on, in 2014 academic year, QREC invited more than 60 guest lecturers to Kyushu University for workshops and other special events.

**【Case Studies】**

In order to study events that have actually occurred and detailed models that more closely resemble real life, a basic course entitled “Introduction to Entrepreneurship” and several practical courses including “Idea Lab I” and “Entrepreneurship Management I” that use case studies are offered. Some of the case studies are presented in English.

**【Design Thinking and Incorporation】**

“Design thinking” an approach that takes the users' perspective, discovers issues as a team, considers solutions, and creates prototypes for visualizing proposals has been incorporated into many education programs. We incorporated on-site workshops using a studio as place like Fablabs. (Applicable programs in the 2014 academic year: Design Thinking, Strategic Design Thinking, Global Seminar (English), Social Entrepreneurship, Design Innovation PBL Program collaborated with Industry.)

**【Project-Based Learning (PBL)】**

QREC is increasing the number of courses that use the PBL approach for learning by doing in small groups. This method is used in lectures that are placed on the practice-oriented side of the QREC curriculum as well as in a variety of educational projects so that students will not simply receive lecture contents as knowledge, but will learn about how ideas and technologies take on actual form as specific values in the real world. (Applicable courses in the 2014 academic year: Social Entrepreneurship, Global PBL Program, Design Innovation PBL Program collaborated with Industry, Strategic Design Thinking, Design Thinking.)

#### Education Evaluation

QREC has adopted a number of educational evaluation methods in order to improve the quality of its lectures.

**【Educational Evaluation Questionnaires for Students】**

QREC takes part in the questionnaires on university-wide education implemented by the University's Educational Affairs Department. In order to improve the quality of QREC lectures by means of the PDCA cycle, QREC also implements educational evaluation questionnaires for students from its own unique perspective in all QREC courses.

**【Assessment Meeting Held for Educational Evaluation by Students】**

In order to obtain the opinions and evaluations of students that cannot be covered by questionnaires alone, student assessment meetings have been expanded to two annually.

In the 2014 academic year, a meeting was held in January 2015 with a total of 10 students enrolled in QREC courses, providing much information and many valuable opinions.

**【Development/Commencement of Operation of Educational Assessment and Analysis System】**

QREC has completed the development and commenced operations of a system to analyze correlations between questionnaire contents collected from students enrolled in QREC courses, their grades, and their affiliated departments, as well as to check on requirements for issuance of certificates, etc., in order to increase administrative efficiency.

### Social Outreach



#### Workshop on Entrepreneurship in Designing New Value for BOP People

“How Do We Nurture Global Entrepreneurs? —Kyushu University's Endeavors in Developing Countries—”



In the first-half of the seminar, lectures were presented by three guest instructors from Bangladesh and Mr. Hiroaki Umezawa, Director of FabLab Shibuya. Associate Professor MD Nazumul Hossain of the University of Dhaka spoke on the topic “Entrepreneur Education in Bangladesh”; Mr. Hasan of the Bangladesh Open Source Network spoke on “Entrepreneur Training” in Bangladesh; and lastly Mr. Rafiqul Islam of Grameen Communications spoke on the efforts of the Grameen Group with regard to social business and education. In addition, Mr. Umezawa spoke about the efforts of Japanese NPOs aimed at realizing appropriate technology in BOP countries. In the second half of the seminar, a panel discussion was conducted on the theme of “How Do We Nurture Global Entrepreneurs in Order to Promote Global Innovation?-Focus on Efforts in Developing Countries”. Panelists included Mr. Umezawa as well as representatives of NPOs and universities involved with BOP and JICA, enabling a deeply interesting discussion of various case examples of the current situation in developing countries and the efforts of entrepreneurs to resolve various issues.



#### QREC/KASTEC Collaborative Entrepreneurship Seminar

“How Will the Development of Digital Manufacturing Change Individuals, Businesses, and Communities?”

For this seminar, lectures were presented by three guest speakers—Associate Professor Hiroya Tanaka of Keio University, who created the catalyst for the spread of FabLabs in Japan; Mr. Kazuhisa Terasaki, who by himself has created numerous products and is a regular at events such as ROBOCON and the Maker Faire in the United States, where he resides; and Mr. Hiroshi Tamura, Co-Founder and Managing Director of RE:PUBLIC, Inc., an innovation studio that has been commissioned by Fukuoka City to promote innovation by residents—on the themes of “What has the digital manufacturing revolution brought?” “How will individuals, businesses, and communities change?” and “It change possible?”



※For details on each item, please see page 39 onwards.



## Faculty Research Activities

Toru Tanigawa Professor

Fields of specialization: Regional economic policy, entrepreneurship, industry-university cooperation

Councilor, The Japan Society for Science Policy and Research Management; Director, The Japan Academic Society for Ventures and Entrepreneurs; Manager, Society for Innovation Education; Deputy Chief, The Japan Association of Regional Development and Vitalization, Kyushu Branch; Member, Intellectual Property Association of Japan; Member, The Japan Section of The Regional Science Association International  
Currently participating in an international collaborative research project, "Research on the Correlation between Industry-University Cooperative Activities, Academic Papers and other Academic Results, and Innovation" (joint research with researchers at Leiden University, The Netherlands, and the National University of Singapore, Singapore, and other universities in Asia).

[Major presentations at conferences, etc.]

April 10, 2014 Presentation at AUTM Asia 2014 (Taipei, Taiwan)  
"Case Study of International University-Industry Collaboration in Asia  
— Kyushu University Case—"  
"Association of University Technology Managers in Asia"

July 24, 2014 Lecture at 2014 Summer Symposium of Japan Society for Science Policy and Research Management (Tokyo)  
"Can Japanese Universities Become a Source of Innovation?  
— My Experience with Industry-Academic Collaboration and Personnel Training at Kyushu University"  
September 1, 2014 Lecture at The Japan Academic Society for Venture and Entrepreneurs (JASVE) Seminar (Tokyo)  
"The Role of Entrepreneur Education in Fukuoka, a National Strategic Special Zone for Global Startups and Job Creation"  
March 16, 2015 Presentation at the 3rd Innovation Education Conference annual meeting (Fukuoka)  
"Entrepreneurship Education and Innovation: Activities of The Robert T. Huang Entrepreneurship Center of Kyushu University"

[Major published papers and articles]

March 2014 Foreword to Vol. 65 of the Journal of The Japan Academic Society for Ventures and Entrepreneurs  
"Approaches to Entrepreneurship Education in Japan"  
May 2014 Foreword to Vol. 55 of Forum Fukuoka  
The "Pull-type" Activities that are Needed  
November 2015 Nihon Keizai Shimbun Special Feature (Kyushu)  
Talking About Kyushu: Development While Maintaining Coexistence with the Rest of Asia

Shingo Igarashi Associate Professor

Fields of specialization: Entrepreneurship, management strategy theory

[Conference Presentations]

The Japan Academic Society for Ventures and Entrepreneurs: 17th National Conference  
"Entrepreneurship Education and Cultivation of Innovative Personnel: Diversification of the career paths of post-doctoral researchers and doctoral students"

[Books (co-authored)]

Introduction to Entrepreneurship: Learning How to Create Ventures.  
Co-authored by K. Kutsuna, H. Hasegawa, N. Takahashi, S. Igarashi, J. Yamada.  
Yuhikaku Publishing Co., Ltd. December 2013 (in Japanese)  
Textbook on entrepreneurship theory that enables self-study through the combination of various case examples.

Hironobu Tamaki Associate Professor

Fields of specialization: Start-ups, venture management

[Main Research Topics]

Entrepreneurs who emerge from failed corporations, venture finance

[Publications]

Hironobu Tamaki 2015. An exploratory research on influences of internship experience at Silicon Valley start-up on entrepreneurial intention. Bulletin of KIKAN Education, Kyushu University Vol.1

[Conference Presentations]

Hironobu Tamaki. 2015. What factors contribute to entrepreneurs' misconduct? *Proceedings from Society, Technology, And Japanese Entrepreneurship Conference 2015 at Stanford University*

[Awards]

FY 2014 Tadao Kiyonari JASVE Award (Academic Paper Category)  
Title of award-winning paper: A Thought on the Influence of Problematic Event at Prior Employers to Entrepreneurs. Venture review (22) 2013

Emi Makino Associate Professor

Fields of specialization: Management strategy theory, organizational development, social systems theory, flow theory, entrepreneur education

[Publications]

1. Makino, E., Beal, D., Uy, M., Desselles, M., Murphy, S., Sherman, C., & Ono, M. (2014). A Field Guide to Experience Sampling Methods Using Mobile Devices and Smartphones. Professional Development Workshop at the Academy of Management, Philadelphia, CA, (peer-reviewed)  
2. Makino, E. (2014). Theorizing Large Group Strategizing Methods: A Social Systems Theoretical Perspective. Presentation at the Open Strategy Paper Development Workshop, Oxford, UK, (peer-reviewed)  
3. Makino, E. (2014). Developing Workplace Ethics Through Mentoring and Modeling. Presentation at the Society for Industrial and Organizational Psychology, Honolulu, HI, (peer-reviewed)  
4. Makino, E., & Nakamura, J. (2014). Embodied Ethics: A Mentoring and Modeling Approach to Ethics Training. In L. E. Sekerka (Ed.), Ethics Training in Action: An Examination of Issues, Techniques and Development (pp. 311-328). Charlotte: Information Age Publishing. (peer-reviewed)

[Conference Presentations]

Emi Makino (2013). "Frontiers of Knowledge Creation" at the Drucker Workshop in Fukuoka (Invited speaker)

Megumi Takata Professor (Faculty of Economics)

Fields of specialization: Industry-university collaborative management, management of technology (MOT), entrepreneurship

[Main Research Topics]

Commercialization of science and technology and entrepreneurship  
1. "Design proposal for hydrogen refueling infrastructure deployment in the Northeastern United States" The International Association for Hydrogen Energy. Vol.39, Iss.16, 7449-7459, 2014.05  
2. Study of the Process of University Technology Commercialization: The Roles and Effects of Educational Courses, International Journal of Engineering Innovation and Management, Volume 1, Issue 1, November 2011

Ei Shu Associate Professor (Faculty of Economics)

Fields of specialization: Innovation management, organizational learning

[Publications]

Ei Shu and A. Y. Lewin. 2014. Low power actor reshaping regulatory environment : Honda and emission control in Japan. Duke University CIBER Discussion Paper (Accepted by the Annual Meeting of Academy of Management) (Co-authored with Professor A. Y. Lewin of Duke University)

[Presentation]

Ei Shu & Arie Lewin, Low power actor reshaping regulatory environment. Academy of Management 2014 Annual Meeting, OMT Division, Philadelphia, PA ,2014.08.05.

Yasuyuki Hirai Associate Professor (Faculty of Design)

Fields of specialization: Inclusive design, design thinking, living space design

[Main Research Topics]

Social innovation design: a research on inclusive design and design thinking

[Books (co-authored)]

*Inclusive Design: Participatory Design to Resolve Social Issues*  
Julia Cassim, Takayuki Shiose, Shizuka Morishita, Daijiro Mizuno, Mizuki Kojima, Toshiharu Arai, Tomomi Okazaki, Ayumi Umeda, Tadashi Koike, Yuka Tanabe, Yojiro Kinoshita, Toshikatsu Ienari, Akira Kuwabara Gakugei Shuppan (April 2014)  
*Inclusion Through Design*  
Author: Julia Cassim, Supervising Editor: Yasuyuki Hirai, Translator: Akiho Horton, Firm Art-sha (June 2014)  
*A Museum that Stimulates Sensual Perception.*  
Co-authored by Y. Hirai, T. Fuji, A. Nobayashi, T. Manabe, N. Kawakubo, M. Mishima. Gakugei Shuppansha (March 2014)

[Awards]

● FY 2014 Good Design Award: kodomotomorimoto (Research or research method category: Kids × Medicine × Design Committee, October 2014)  
● 8th Kids Design Award (Designs to contribute to the security and safety of children, Children's Category, Kids × Medicine × Design Committee, August 2014)



## Organizational Strategies

[Funding for the Operating Budget]



Kyushu University's Global Innovation Talent Development Ecosystem Creation Program, proposed by the university's Robert T. Huang Entrepreneurship Center (QREC), has been selected as an EDGE (Enhancing Development of Global Entrepreneur) Program, which falls under the 2014 Science and Technology Human Resources Development Aid Program run by the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

[Award-Winning Program]

QREC won the METI Minister's Award (the top award) for the Support category at the 9th Japan New Business Creation Awards ceremony that was held on November 19, 2014. This award is presented annually by the Japan New Business Conferences association to honor organizations and individuals who have achieved the highest levels of success in supporting new business creation and in project operation through innovative systems and policies.



[Cooperative Efforts with Japanese/Overseas Organizations]

We have built a complementary relationship for utilizing external resources not available in the university and implemented external know-how. We have also expanded our sphere of activity by broadening our network and our collaborations with non-university organizations and we are working on even greater collaborations that will secure opportunities for our students to acquire experience outside of the university, outside of Kyushu, and overseas.

- Collaboration agreement finalized with Finland's Aalto University/Global PBL Program classes commence
- Joint talent development consulting program with Nomura Research Institute (NRI) based on design thinking (New)
- Collaboration with Fukuoka City: Innovation Studio Fukuoka (New)
- Design Innovation PBL Program collaborated with Industry commences with participation by TOYOTA, Republic, and NRI
- Collaboration with Sunbridge International (USA) (ongoing)
- Lectures conducted jointly with IDEO Tokyo('Strategic Design Thinking') (ongoing)
- Summer camp with Deloitte Tohmatsu Consulting Co., Ltd. (ongoing)
- Symposium held jointly with and interns dispatched to EGG JAPAN (Entrepreneur Group for Growing JAPAN) (Mitsubishi Estate Co., Ltd.) (ongoing)

[Cooperative Efforts with Kyushu University Departments]

QREC's know-how and educational effects (Entrepreneurship, management, etc.) was utilized by other departments within the university.

<Ongoing Collaboration>

- Collaboration with the Kyushu University Information Communication Technology Architect Educational Program (QITO)  
QREC subjects are recommended subjects, and QREC faculty act as QITO advisers.
- Collaboration with the Graduate School of Design (Design Strategy, etc.)  
Joint lectures have been established, with Graduate School faculty acting as assistant lecturers for QREC subjects.
- Collaboration with School of Engineering and Graduate School of Engineering (Applied Chemistry)  
Provision of leading graduate school budget procurement support as well as relevant lectures.  
QREC was responsible for some compulsory subjects in the School of Engineering (Materials Science).

## Operation

[Public Relations and Information Dissemination]

QREC engaged in the following activities for the purposes of public information and information dissemination as well as to improve and spread services for students and other users.

- Operation and improvement of the QREC website  
・Expansion of website content and modification of user interfaces   ・Improvement of advertising on the English-language website version
- QREC use of Facebook
- Update and distribution of a QREC pamphlet (in English and Japanese)
- Update and distribution of course guide  
・Advertising of QREC educational content   ・Revisions giving consideration to making content easy for students to understand
- Creation and distribution of Annual Report for 2013-2014  
・Public information on QREC activities, in Japanese and English

[Increasing Organizational Efficiency and Improving the Educational Environment]

The Intranet (Cybozu®) installed in the 2011 academic year. In the 2014 academic year, office10 (Cybouz®) was upgraded.

[Administration and Management of Incubation Facilities]

Space was rented for laboratories (three rooms) on the university campus and for venture capital firms created at the university (two rooms).



# 7 QREC Curriculum System

All subjects in the curriculum are available to all Kyushu University students to take as their minor. The curriculum is designed to enable students to study entrepreneurship in stages, from basics through application to practice.

## Motivation

Education designed to make students realize the important of understanding social "issues" and "taking action" to make their own dreams come true.

## Idea Generation

Students receive training in "idea generation" methods for resolving issues.

## Marketing/Strategy

Students learn how to understand market generation and business strategies.

## Finance

Students learn methods for procuring funds.

## Organization/Group Dynamics

Students learn how to build organization/team for carrying out projects.

## Knowledge/Tool

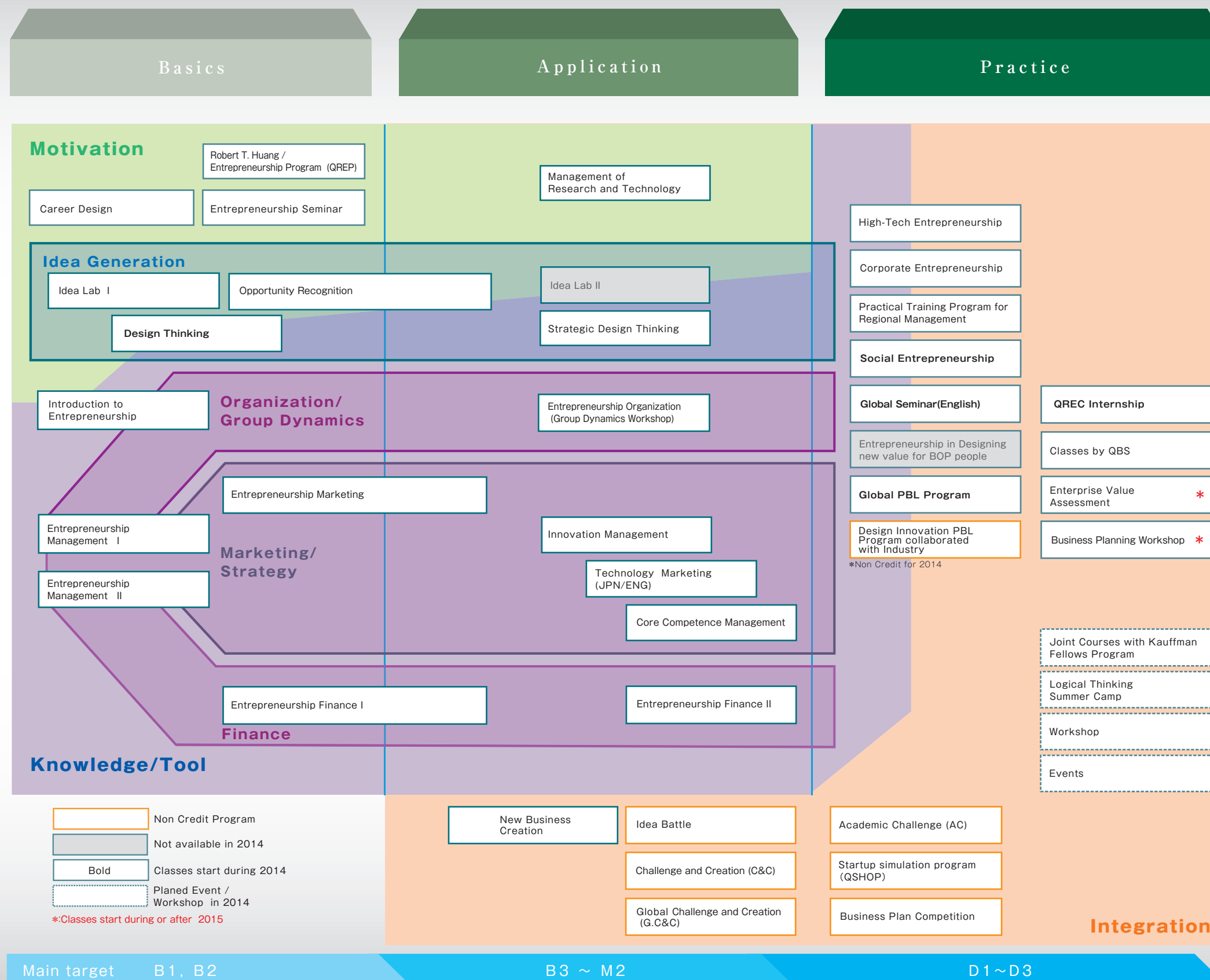
Education designed to provide knowledge for achieving ideas for resolving issues.

## Integration

Education students endeavor to actually put what they have learned into practice based on their knowledge and understanding of methodology.

QREC offers subjects following the flow of each of these themes.

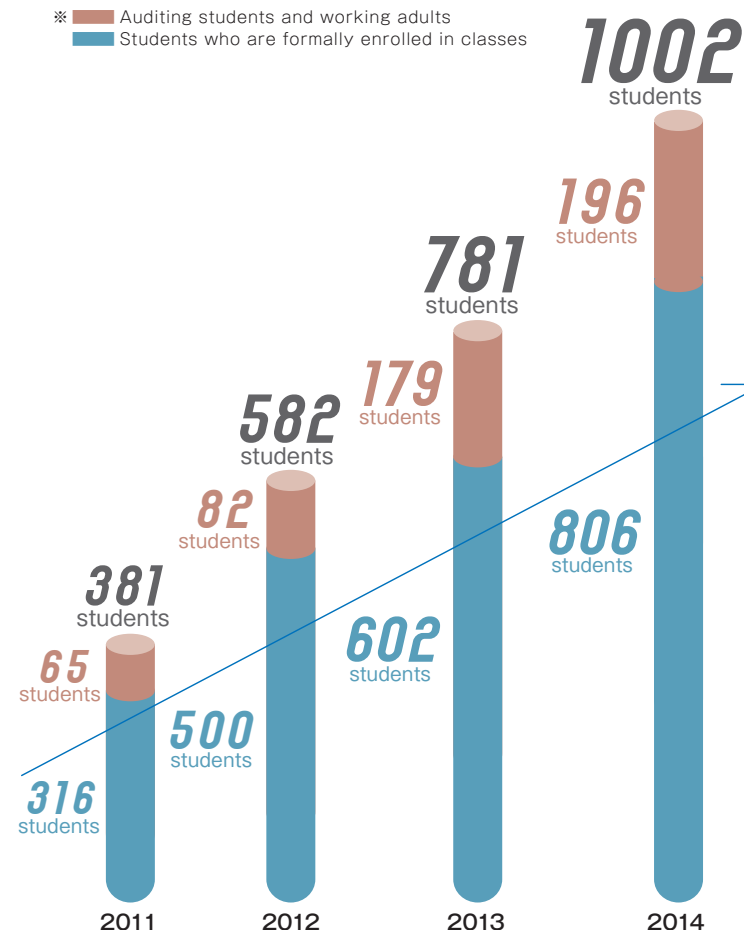
(As of March 2015)



## 8 Course Data: Number of Students

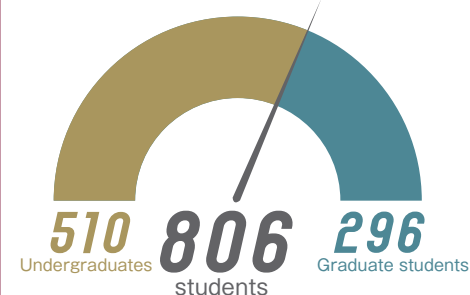
### Total number of Students Attending Lectures

※ Auditing students and working adults  
Students who are formally enrolled in classes

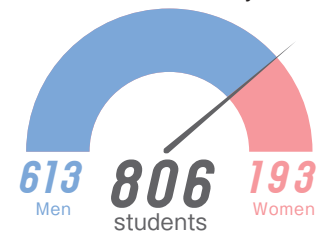


### Breakdown

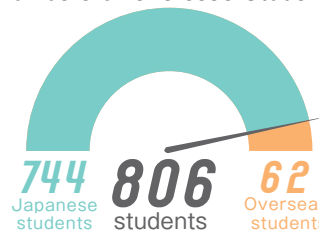
[A Look at the Number of Undergraduate and Graduate Students in the Program]



[Number of Students by Gender]



[Numbers of Overseas Students]



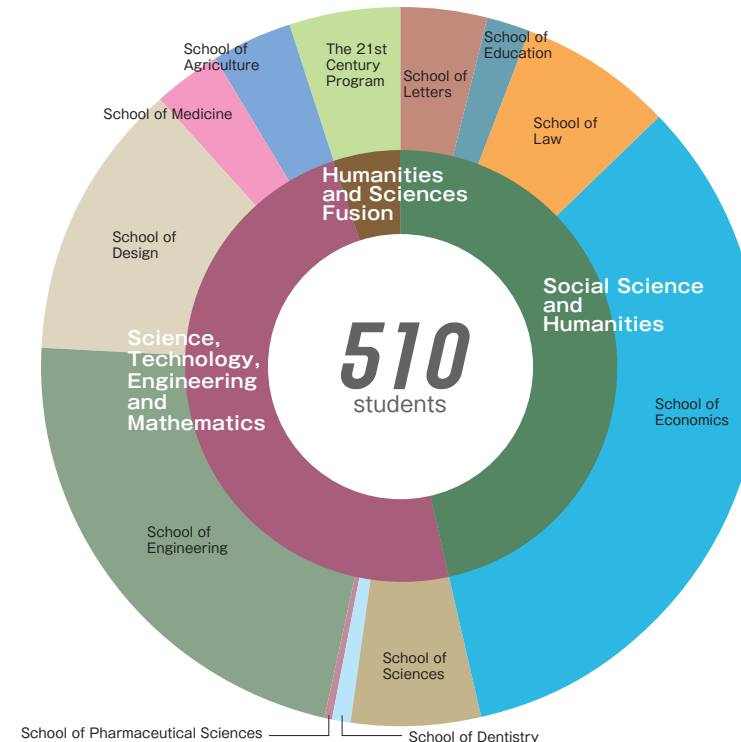
### Number of Students for Each Lecture Course

Introduction to Entrepreneurship	236 students	Strategic Design Thinking	38 students
Idea Lab I	121 students	Core Competence Management	35 students
Entrepreneurship Management II	23 students	Technology Marketing (English)	26 students
Career Design	24 students	Management of Research and Technology	39 students
Entrepreneurship Management I	15 students	New Business Creation	12 students
Design Thinking	72 students	Entrepreneurship Organization	18 students
Entrepreneurship Seminar	55 students	Entrepreneurship Finance II	9 students
Robert T. Huang/Entrepreneurship Program (QREP)	22 students	High-Tech Entrepreneurship	26 students
Entrepreneurship Finance I	35 students	Social Entrepreneurship	15 students
Opportunity Recognition	15 students	Global Seminar (English)	20 students
Entrepreneurship Marketing	23 students	Corporate Entrepreneurship	40 students
Technology Marketing	40 students	Practical Training Program for Regional Management	4 students
Innovation Management	21 students	Global PBL Program	18 students

### Breakdown [Undergraduates/Graduate students]

[Undergraduates]  
[Number of Students Taking Classes By Grade]

Freshmen/251 Sophomores/140 Juniors/49 Seniors/70

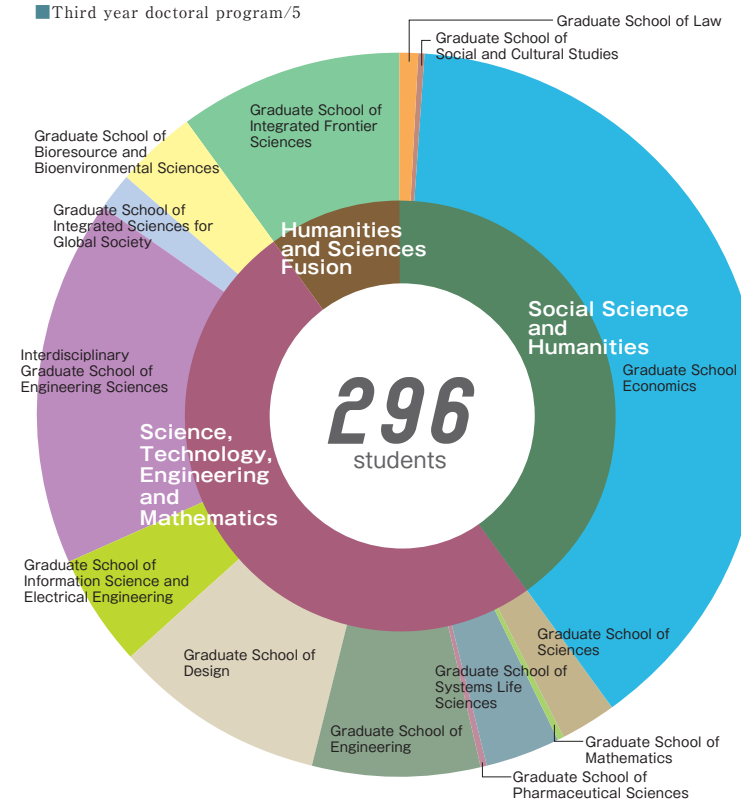


Social Science and Humanities	238 students
Science, Technology, Engineering and Mathematics	247 students
Humanities and Sciences Fusion	25 students
School of Letters	20 students
School of Education	10 students
School of Law	36 students
School of Economics	172 students
School of Sciences	29 students
School of Dentistry	5 students
School of Pharmaceutical Sciences	7 students
School of Engineering	114 students
School of Design	64 students
School of Medicine	15 students
School of Agriculture	19 students
The 21st Century Program	25 students

[Graduate students]

[Number of Students Taking Classes By Grade]

First year master's program/167 Second year master's program/101  
First year doctoral program/16 Second year doctoral program/7  
Third year doctoral program/5



Social Science and Humanities	119 students
Science, Technology, Engineering and Mathematics	148 students
Humanities and Sciences Fusion	29 students
Graduate School of Law	3 students
Graduate School of Social and Cultural Studies	7 students
Graduate School of Economics	115 students
Graduate School of Sciences	7 students
Graduate School of Mathematics	1 students
Graduate School of Systems Life Sciences	10 students
Graduate School of Pharmaceutical Sciences	1 students
Graduate School of Engineering	22 students
Graduate School of Design	28 students
Graduate School of Information Science and Electrical Engineering	15 students
Interdisciplinary Graduate School of Engineering Sciences	48 students
Graduate School of Integrated Sciences for Global Society	5 students
Graduate School of Bioresource and Bioenvironmental Science	11 students
Graduate School of Integrated Frontier Sciences	29 students



# 2014 List of Courses

## Basics [8Courses]

Course name Instructor name	Main classroom Lecture times	Overview	Course
Introduction to Entrepreneurship Shingo Igarashi (QREC) Hironobu Tamaki (QREC)	Ito Campus First semester (First half) Wednesdays periods 4 & 5 consecutive	Students consider what "entrepreneurship" is and what taking "entrepreneurial" actions involves.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Emi Makino (Education Center for Global Leaders in Molecular Systems for Devices) Megumi Takata (Faculty of Economics)	Second semester (First half) Wednesdays periods 4 & 5 consecutive		
Idea Lab I Shingo Igarashi (QREC)	Ito Campus First semester (Second half) Wednesdays periods 4 & 5 consecutive	This course aims to cultivate the ability to generate ideas. Students also learn skills for maximizing team power.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
	Second semester (Second half) Wednesdays periods 4 & 5 consecutive		
Entrepreneurship Management II Hironobu Tamaki (QREC)	Hakozaki Campus First semester (Second half) Wednesdays periods 4 & 5 consecutive	Students acquire the basic knowledge required for entrepreneurship and intrapreneurship through classroom learning and case studies (including materials in English). The course is designed for students to gain general knowledge by attending classes from Entrepreneurship Management I, while II covers marketing, corporate ethics, accounting and finance, sales and capital markets. In the final class, the lecturer discusses his business startup experience in Japan and America.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Career Design Emi Makino (Education Center for Global Leaders in Molecular Systems for Devices)	Ito Campus First semester (Second half) Fridays periods 5 & 6 consecutive	As the premise for considering entrepreneurship, this course provides an opportunity for each individual student to think about the significance and purpose of work, how to design their own career, and the thinking, knowledge, behavior and approach required. Clinics for identifying individual talents from past performance, seminars using still photos, and special lectures are planned.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Entrepreneurship Management I Jin-ichiro Yamada (Osaka City University Graduate School)	Hakozaki Campus First semester Every other week Saturday, period 3-5 consecutive Every other week Sunday, period 1-2 consecutive	Students learn the basics of business science, such as strategy, organization, and management of technology (MOT), and polish their applied skills through case studies.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Design Thinking Yasuyuki Hirai (Faculty of Design)	Ohashi Satellite First semester Eight Saturday and Sunday modules	"Design thinking" is a "design method open to all people" that was proposed by the U.S. design office IDEO and has spread throughout the world. This approach has students work in teams to identify issues from the perspectives of people's needs, technology, and business and then think up solutions, and is applied beyond the specialized field of design, in business and education. This course is a primer for Strategic Design Thinking, where students learn the first steps in facilitation, rapid prototyping, teamwork and idea development techniques. In the Ohashi Satellite in September, intensive lectures will be held in a workshop format.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Entrepreneurship Seminar Shingo Igarashi (QREC)	Ito Campus Hakozaki Campus Second semester (Second half) Fridays periods 5 & 6 consecutive	Lectures consist of interactions with guest lecturers who are active on the front lines of society. Lectures are administered by the Student Planning Committee.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Robert T. Huang/ Entrepreneurship Program (QREP) Toru Tanigawa (KASTEC)	Pre-visit:Hakozaki Campus On-site:Silicon Valley Post-visit:Tenjin building 11F Second semester Jan.,Feb.:Pre-visit; Mar.:On-site,Post-visit	Held in the U.S. Silicon Valley, the Mecca for entrepreneurship and innovation, this course provides opportunities for Kyushu University students to come in close contact with the thinking and living styles of students as well as business operators, engineers, researchers, and others active locally at venture companies, major foreign-affiliated corporations, universities, legal firms NPOs, and other enterprises, providing them with motivation for considering their ways of living and thinking and future paths as well as making them aware of the importance of entrepreneurship (spirit of challenge, independent consciousness, and expression of individuality, etc.) and global thinking.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course

## Basic/Application [3Courses]

Entrepreneurship Finance I Hironobu Tamaki (QREC)	Hakozaki Campus First semester (First half) Saturdays period 1 & 2 consecutive	Students learn about accounting and finance with particular focus on business startups. Starting with the basics of journalizing, students gain broad knowledge from preparation of financial statements, financial analysis, capital structure for startups and venture capital to calculation of corporate value for capital procurement, as an introduction to Entrepreneurship Finance II (second semester), where students learn more advanced finance.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Opportunity Recognition Shingo Igarashi (QREC)	Ito Campus Second semester (First half) Wednesdays periods 4 & 5 consecutive	Students learn to read social, economic, technological, and other "changes" from real-world trends, news reports, etc.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Entrepreneurship Marketing Emi Makino (Education Center for Global Leaders in Molecular Systems for Devices)	Hakozaki Campus Second semester (First half) Saturdays period 1 & 2 consecutive	Expanding on the marketing basics learned in "Entrepreneurship Management I" and "Entrepreneurship Management II", students experientially study practical marketing focused on themes such as STP marketing and consumer value using many case studies and workshops and centering on presentations.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course

## Application [9Courses]

Course name Instructor name	Main classroom Lecture times	Overview	Course
Technology Marketing Jeffrey B. Schnack(3Rock KK) Emi Makino (Education Center for Global Leaders in Molecular Systems for Devices)	Ito Campus First semester (First half) Wednesdays periods 4 & 5 consecutive	This course uses simulation games. Students study marketing experientially through making actual decisions on product development, selection of markets, pricing, personnel allocation, advertising and surveys and so on from the point of view of a business manager in games.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Innovation Management Ei Shu (Faculty of Economics)	Hakozaki Campus First semester Every other week Saturday, period 3-4 consecutive	With the remarkable speed of technological innovation and the intensification of competition between corporations, companies are facing the important issue of how to achieve value creation. On this course, students are introduced to basic knowledge of innovation management and market creation from the viewpoint of business administration, learning the basic framework of technology and markets.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
EDGE Strategic Design Thinking Toru Tanigawa (KASTEC) Yasuyuki Hirai (Faculty of Design)	Ohashi Satellite Second semester Intensive Summer Course Four days in September	Design Thinking is a problem solving approach, from problem discovery to proposal of solutions, applying the methods of designers and taking human observation as its starting point. Advocated by the American design firm IDEO, it spread around the world. Going beyond the concept of design in the narrow sense, it is an effective method for problem-solving in various fields, and it is used in many areas such as business and education. On this course, IDEO staff are invited as lecturers. Students experience concrete methods of solving social issues using design thinking, as well as the process of transforming ideas into actual business. Intensive lectures will be held in the Ohashi Satellite in September. There are also lectures in English.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school ○ Faculty of Design Course
Core Competence Management Megumi Takata (Faculty of Economics)	Hakozaki Campus Second semester Every other week Friday (18:50-22:00)	In order to achieve stable, continuous business performance at a high level, corporations must establish unique core competencies and maintain their competitive superiority. These competencies are multifaceted, encompassing brand, core technologies, intellectual property, patterns and so on. On this course, students study the theory and practical examples of establishing and managing competitive superiority in business, with a particular focus on MOT (management of technology).	— Integrated course ○ Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Technology Marketing (English) Emi Makino (Education Center for Global Leaders in Molecular Systems for Devices)	Ito Campus Second semester (Second half) Wednesdays periods 4 & 5 consecutive	This intensive course is the equivalent of "Technology Marketing" in English. Students will be divided into competing teams to play a sophisticated computer game called Markstrat. Student practice making executive decisions on product development, distribution, HR, marketing and sales to develop an experience-based understanding of major marketing theories.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Management of Research and Technology Toru Tanigawa (KASTEC)	Hakozaki Campus Second semester (First half) Fridays periods 4 & 5 consecutive	This course features two-way class administration. Diverse lecturers who are active in actual industries talk about their specialist fields, followed by group discussion among the participants. The lectures are useful for both sciences and humanities students in considering their career development.	— Integrated course ○ Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
New Business Creation Shingo Igarashi (QREC) Hironobu Tamaki (QREC)	Hakozaki Campus Second semester (Second half) Saturdays period 1 & 2 consecutive	This subject combines both the "Basics" and "Application" phases of QREC subjects. In a simulated experience, students appropriately utilize content learned from QREC subjects in the process of starting up a business.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Entrepreneurship Organization Masaki Kuroki (Ritsumeikan University)	Hakozaki Campus Second semester Every other week Saturday, period 3 & 4 consecutive	Looking at real examples, students study the breadth of management, hierarchy, horizontal division, and other basic organizational concepts as they learn just how to crete an organization incrementally.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Entrepreneurship Finance II Hironori Higashide (Waseda University Business School)	Hakozaki Campus Second semester Every other week Saturday, period 3-5 consecutive	In this course, students study the entrepreneurship, finance, and fund theory. The course aims to aims to equip students with the skills to evaluate and invest in business start-up opportunities (or have their business start-up invested in) from the perspective of investors and entrepreneurs.	— Integrated course ○ Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course

## Practice [7Courses]

High-Tech Entrepreneurship Shingo Igarashi (QREC)	Hakozaki Campus First semester Every other week Friday (18:50-22:00)	This course involves the practical application of QREC subjects. Students cultivate practical skills for starting up a technology-based business on a project basis.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school ○ QBS course
Social Entrepreneurship Toru Tanigawa (KASTEC)	Pre-visit, Post-visit, Workshop:Hakozaki Campus The Great East Japan Earthquake of Tohoku district (Miamisanriku, etc.) field study First semester Intensive Summer Course Several weekends and intensively in August	This course focuses on social issues in the disaster areas of the Tohoku earthquake. Participants gain actual experience in the process of developing specific solutions, fostering their capacity and motivation for solving social issues. In addition, students undertake several days of field study in Tohoku incorporating the design thinking method. Lecturers from inside and outside the university also provide guidance in the basics of organization theory, finance, marketing, business models and so on at the Kyushu University campus.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Global Seminar (English) Toru Tanigawa (KASTEC)	Hakozaki Campus Intensive Summer Course	On this course, QREC invites renowned university researchers, educators and practitioners in entrepreneurship from overseas every year for intensive lectures. Participating students learn directly in English from these experts who are in the vanguard of business overseas. The theme varies every year, addressing areas related to entrepreneurship such as social entrepreneurship, idea creation, design thinking, and technology-based innovation.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
Corporate Entrepreneurship Hironobu Tamaki (QREC)	Hakozaki Campus Second semester Every other week Friday (18:50-22:00)	Students learn about intrapreneurship and in-house venture capital through classroom learning and case studies. While in-house ventures have the benefit of easy access to capital, they face unique issues such as the pay and incentive system, and responding to changes in the management policy of the host department, requiring appropriate organizational design to address them. Students learn the best practices in companies in Japan and overseas through case studies.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school ○ QBS course
Practical Training Program for Regional Management Hirofumi Taniguchi (KASTEC) Kenichi Kawamoto (KASTEC) Hiroyasu Horio (Research and Education Center of Carbon Resources)	Hakata Satellite Every semester	In this course students study how to create policies from an entrepreneurial point of view.	— Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
EDGE Global PBL Program Toru Tanigawa (KASTEC) Yasuyuki Hirai (Faculty of Design)	Ohashi Campus On-site: Helsinki One week Intensive Summer Course	This program is conducted jointly with Aalto University in Finland using a PBL format. It is conducted with Aalto University at the same time using the same themes, and students use the design thinking approach to propose specific solutions to social issues. By discussing and resolving the same issues with students overseas, the program aims to improve participants' social understanding, international awareness, and problem-solving abilities. Workshops are held on several weekends over a number of months. At the end of the program, evaluation is conducted through a public presentation in Helsinki.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course
QREC Internship Hironobu Tamaki (QREC)	Every semester	This course of lectures can be taken in the academic year when students can take their QREC completion certificate, when for example, if students take two units in elective subjects or a QREC internship later in the relevant academic year and meet the requirements for the completion certificate. Students basically look for a company that will host their internship on their own initiative, with advice from their tutor. Minimum standards of English ability may be set for overseas internships. The details are covered through individual guidance.	○ Integrated course — Cultural Studies for Upperclassmen ○ Joint course with graduate school — QBS course



## Idea Lab I

Instructor: Shingo Igarashi (QREC)

A part of the QREC Education Program, the Idea Lab is a course of study that focuses on idea generation and awareness as well as motivation related to entrepreneurship. The Lab is not only for those looking to begin their own businesses; it also involves research into new academic areas and innovation. As such, creative abilities that go beyond the conventional are critical for success here. Bearing this in mind, the goal of lectures is to heighten students' creative and expressive abilities. The goal at the idea creation stage is not to determine whether an idea is correct or not; rather at this stage the student must select the idea or resolution he or she feels is optimal. Moreover, the question of which idea is best is different depending on the timing, time frame and situation. Therefore, it is essential that this involve a process whereby first brainstorming occurs resulting in several ideas coming out, after which the best of these are selected and one is finally settled on. Another critical element of success in the Idea Lab is creating an environment where students can intellectually stimulate each other in either a group or team framework. Students study the idea creation process and the mutual relationships that this process encourages through various group work projects.

In Idea Lab I, the aim of the course is for students to acquire idea generation skills unfettered by preconceptions through workshops on such topics as what value can be generated from items that initially appear to have no value (e.g. empty PET bottles, paperclips, and sticky notes). In the 2014 academic year, a workshop in "borderline design," defined by users and providers, was led by Mr. Hiroshi Tamura of Re:public Inc. It led to the acquisition of ways to think from new perspectives.



## Entrepreneurship Organization

Instructor: Masaki Kuroki (Ritsumeikan University)

Entrepreneurship Organization takes its instructional material from cases dealing mainly with events (discord, friction, disputes) occurring among individual entrepreneurs and entrepreneurial groups or within the top management around the time when a venture enterprise is founded. Classes take a workshop format, with students dividing into teams of three to four people to go through the process of analyzing case circumstances and proposing solutions to problems with the aim of having them learn from each other. The cases taken up are mainly from the collection of case studies used as Harvard Business School instructional material (with Japanese language translations added) together with one or two venture enterprise cases from Japan. In every class session, students first analyze a case and suggest solutions from their own points of view and then are presented with theory based solutions. The actual approach to the solution along with the development of both the problem and solution are then discussed for each case. Cases taken up in the 2014 academic year included "cases including mental problems of business founders together with solutions," and "personnel problems faced after a corporate buyout."



EDGE  
PROGRAM

## Strategic Design Thinking

Instructor: Toru Tanigawa (KASTEC)  
Yasuyuki Hirai (Faculty of Design)

In this course, lectures take the format of workshops presented by guest instructors from IDEO, the U.S. design consulting firm that first introduced "design thinking". As a human-centered approach to innovation, design thinking applies designer sensibility and methods and is defined as something that combines (1) human needs, (2) skills for realizing ideas, and (3) business. Design thinking enables the sensibility and methods of designers to be used by people other than those in the design field and can also be used to identify "formless" social issues and think up solutions.

In the 2014 academic year, 38 students of varied backgrounds, including students with full-time jobs and exchange students, gathered from throughout the university to work on the theme of "designing a business for the XX × YY of Fukuoka." The students divided into six groups with the subthemes of "senior citizens × life," "local communities × disaster management," "women × work," "local brand × growth," "children × learning," and "tourists × walking around town" to carry out the project. At the final presentation session, people from the Fukuoka City government, Dogan Investments, Toyota Kyushu, and IDEO acted as outside judges. The "women × work" team's proposal for a mobile "bus day care center" received high marks and the comment that actual implementation would be considered.



## Technology Marketing (English)

Instructor: Emi Makino (Education Center for Global Leaders in Molecular Systems for Devices)

QREC has been using the marketing simulation game in the "Technology Marketing II" course for four years now. In the 2014 academic year, the course was offered in English again as in the previous year. International students from Asia and Europe and Japanese students desiring to polish their English language skills were divided into five teams, competing for academic results. One study attainment target was for students to learn through hands-on experience that, no matter how outstanding a product's functions are, the product will not sell if the marketing is poor.

The course uses "Markstrat", a strategic marketing simulation game used by business schools around the world in which players sell fictitious technology products on the market and compete for share prices. The games repeats the decision-making process of companies allocating the marketing budget for the year in question according to their respective strategies based on market survey data and product sales trends. At the point where the decision has been submitted for the 10th (final) round, there is a group presentation where each team reviews the game overall.





## Innovation Management

Instructor: Ei Shu (Faculty of Economics)

This lecture introduces the processes of technology formation from a business administration perspective and the basic theory of competition in technology, and students learn about conceptual approaches and frameworks of technology and markets. How do corporations produce innovation, how do they tie it in with management results, and what needs to be done to accomplish this. Students explore clues concerning answers to these practical questions by studying the characteristics of the phenomenon of innovation and its influence on corporate competition, and what form corporate strategy should take for the process of disseminating innovation. The aim is for students to learn the fundamental concepts of business administration involved and reach an understanding through discussion of specific cases.

In the 2014 academic year, the course focused mainly on high-tech industry, and lectures covered the theory of the chasm in disseminating technology as well as the creation of business models to overcome that chasm. The course was taught by a combination of lectures, case discussions, team projects, and other such methods, while creatively building a two-way dialogue with students.

## Practical Training Program for Regional Management

Instructor: Hirofumi Taniguchi (KASTEC)  
Kenichi Kawamoto (KASTEC)  
Hiroyasu Horio (Research and Education Center of Carbon Resources)

In a context of declining populations and a rapidly aging society, declining international competitiveness, and other severe environmental conditions, local regions and communities must formulate their own future image without relying on central government in order to sustain local dynamic power and search out ways to new growth. It is important for them to possess the capabilities in themselves to plan their own measures to realize those aims.

This course is intended to develop human resources with the advanced planning and executive ability to contribute to the resolution of local regional issues by providing lectures and exercises for students and also for working adult members of society to experience the actual process of proposing specific policies and measures. Every year, the course takes up current hot topics and turns them over to thoroughgoing group debate from a variety of angles. To date, these debates have covered such topics as growth strategies, tourism, global human resource development, transportation, energy, crisis management and emergency countermeasures, agriculture, forestry, local resources, health care and long term care, local communities in an aged society, local government over broader areas, and the "Kyushu-Fu" concept for governing Kyushu as a single administrative area.

In the 2014 academic year, students designed a vision of Kyushu's future in terms of the common theme of "achieving sustained growth and broad-based local government by building a green economy," and organized the results in a written report. The process of accurately understanding the problems in society and compiling local on-site intelligence into policy is a creative effort. With the guidance of several tutors, students engaged in group work and acquired specialized knowledge while using new paradigms to formulate policy hypotheses, put the hypotheses through scientific policy analysis, and on the final day gave policy presentations.



## Core Competence Management

Instructor: Megumi Takata (Faculty of Economics)

Students in this course focus on the conditions for a business to achieve high levels of stable, continuous growth, and particularly on the core capabilities and resources that serve as a wellspring of competitive advantage from the perspective of management of technology (MOT) that other companies cannot imitate, and learn methods for forming and making use of these conditions.

Specifically, the course takes up such various topics as core technologies, intellectual property, incorporating external resources (alliances, industry-university collaboration), agility and fast mover advantages, technology brands, competitive advantage as seen by investors, and so on.

In the 2014 academic year, leading corporate executives who are currently active in business were invited as guest lecturers, and active discussions were encouraged to clarify the sources of their competitive advantage. Specifically, students were required to provide reports on a previous topic in every session. The course starts with group discussions on those reports, after which presentations from guest lecturer, and then receives comments on the presentations from each group.



## Corporate Entrepreneurship

Instructor: Hironobu Tamaki (QREC)

In this course, students acquire the basic knowledge required for venture capital investment in new businesses started-up within existing companies or organizations through classroom lectures and case studies (including English-language teaching materials). Based on the premise that students will in the future start-up new businesses within existing companies or be placed in charge of operating an affiliated company, the course aims to provide students with the knowledge required for optimal opportunity recognition, organizational design, and business operations. The course focuses mainly on organizational design, with students learning what kind of impact different organizational structures and incentive-setting exerts on the behavior of members of an organization while at the same time learning through case studies what kind of impact internal organizational dynamics exert on the success or failure of corporate ventures.

In the 2014 academic year, the course welcomed as guest lecturers Mr. Tsutomu Yoshida, President and CEO of Mitsui & Co. Global Investment Ltd., Mr. Hiromichi Fujimoto, President of ActiveLink Co., Ltd., who spoke from their own experience on cases of various kinds and other related matters.



# 10 Lecture Highlights

(Instructor affiliation: As of March 31, 2015)



## Global Seminar(English)

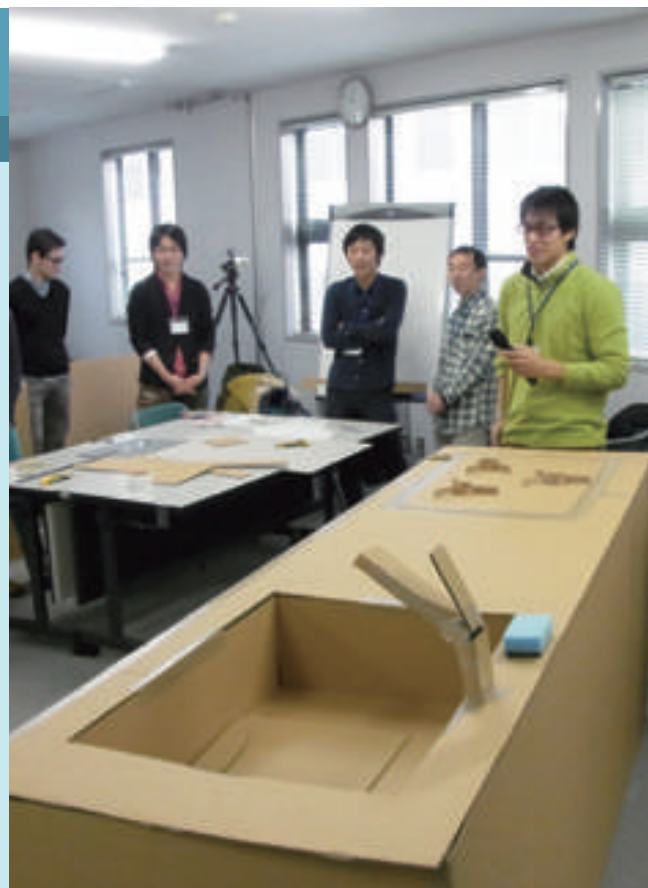
Instructor: Toru Tanigawa (KASTEC)

This is an intensive lecture course held entirely in English with eminent, internationally active university researchers, educators, and business people from other countries who are invited to speak about entrepreneurship. The first time the course was offered, in the 2014 academic year, Professor Peter Kelly, a world-renowned entrepreneurship educator, was invited from Aalto University, Finland's top university, famous for innovation and design. He gave an intensive series of lectures (a workshop) over a two-day period in September. Professor Kelly spoke with great humor on the theme of "Creativity inspired Innovation," and his light, witty talks heightened the motivation of participants. The two day course was very favorably received, and there are plans to continue it annually.

## EDGE PROGRAM Design Innovation PBL Program collaborated with Industry

Instructor: Toru Tanigawa (KASTEC)

This is a practical interdisciplinary course offered through industry-academic collaboration that involves corporations with the aim of realizing future themes relating to industry, and with business people together with university students from a wide range of fields taking the course, it aims to have them apply the methods of design thinking while creating a concrete product. The theme in the 2014 academic year was "mobility × health," and a total of 15 participants, including 10 Kyushu University students and five Toyota Kyushu employees (a mixture of sales planners and engineers) divided into three groups to hold workshops and engage in field work. From early December 2014 to the end of the following March, they met on weekends for six sessions, a total of 7.5 days. The business plans that were ultimately presented were for a health promotion app for white collar workers, a peace-of-mind app for mothers with small children, and an information app to link travelers with local residents. It was coincidence that all three teams proposed development of mobile phone apps, and among them were one or more that could be commercialized. There were some very positive evaluations from Toyota Motor Kyushu, Inc which faces an urgent need for development of human resources capable of innovation.



# 11 Comments from QREC students

(Student grades, as of March, 2015)



First student to be certified as having completed the QREC course

3rd year,  
The 21st Century program  
Shuuya Odahara

I have attended the QREC lectures for the past three years. My impression of the lectures is that they are substantially different to "normal" lectures. Compared to the classroom-based tuition provided across the university the QREC is more discussion-centered. Although I hesitated to speak out at first, as the lectures went on I started to become accustomed to discussions and became able to take part with confidence. I was also able to use the many tuition opportunities provided by QREC such as the "Idea Battles," Startup Weekend Fukuoka, internship at a private sector company and off-campus activities, all of which were precious experiences. Three years have now passed since I started to undergo the QREC tuition, and thanks to QREC I have changed to become the sort of person that I could barely imagine being three years ago.

At QREC, those who have completed the QREC courses can if they wish obtain a completion certificate. Shuuya Odahara became the first person in the University's history to obtain certification of his three-year-long attendance!



## [Courses]

- Introduction to Entrepreneurship
- New Business Creation
- Idea Lab I
- Idea Lab II
- Entrepreneurship Seminar I
- Entrepreneurship Seminar II
- Opportunity Recognition
- Entrepreneurship Organization
- Technology Marketing II
- Entrepreneurship Management II
- High-tech Entrepreneurship
- QREC Internship
- Core Competence Management
- Corporate Entrepreneurship



1st year,  
Department of Economic Engineering  
School of Economics  
Mayu Kawata

I took the Introduction to Entrepreneurship course. Before the course I had thought that "entrepreneurship" was merely the spirit of business founders, but after attending the lectures I came to understand that it is in fact necessary in every situation. I was able to feel this during circle activities. I am a member of the MPI circle. The big event of the year is the general meeting held in Kyoto, for which I was preparing a business plan. A week before the general meeting when I was browsing through my plan I suddenly thought why on earth had I made such a dull plan! It was at that moment that I recalled the introduction to entrepreneurship course, and re-read the course material. I realized that when one is starting up something there is a need to search for change, to adapt to it, and use that change as an opportunity; that the opportunity needs to be attractive and create new value - it calls for creative destruction. Based on the lectures, me and my colleagues discussed the whole plan again from square one, and went to the general meeting with a totally altered plan. The result was that we won first prize at the Kyoto MPI. Attending this course has enabled me to appreciate the fact that entrepreneurship is an irreplaceable factor in making our lives more comfortable. I now feel truly pleased that I took the course.

## [Courses]

- Introduction to Entrepreneurship



# 11 Comments from QREC students

(Student grades, as of March, 2015)



2nd year,  
Department of Mechanical and  
Aerospace Engineering  
School of Engineering  
**Seiji Azukizawa**

I took courses that I thought would teach me about how to generate new ideas. What I gained from the courses was things that I had started to forget, namely the pleasure of creation and the fact that there are ways of generating ideas. The tuition incorporates numerous workshops, and one idea after another is required. I gained the feeling that a mindset that involves thinking freely and trying to act upon one's thoughts is something akin to a computer OS that works as you progress in various fields. And the QREC tuition draws people with a range of backgrounds, including grauate school students and undergraduates as well as people who are already working in society. The course of one's university days is greatly affected by the sort of people you link up with during those years. In my case in particular, I was able to become involved in the planning side during the Entrepreneurship Seminar course. By setting up a sales team from scratch, and designing lectures with interesting colleagues through a process of trial and error, I believe that I learned a great deal while putting ideas into practice.

## [Courses]

- Opportunity Recognition
- Idea Lab II
- Introduction to Entrepreneurship
- Technology Marketing
- Idea Lab I
- Strategic Design Thinking

\*Sheiji Azukizawa is a committee member of the Entrepreneurship Seminar



2nd year,  
Hydrogen Energy Systems  
Graduate School of Engineering  
**Hirotaka Kiku**

It was the spring holiday before I progressed to the Graduate School. I had no clear target for my future, could not foresee how I was going to link what I had learned in my four undergraduate years with my own future, and felt anxious that I might end up merely passing my two years at the Graduate School with the same sense of uncertainty. I decided to blow away this feeling by deciding to take action and go on a short-term overseas study course. The program I luckily ended up participating in was the Robert T. Huang Entrepreneurship Program (QREP). As I hadn't even been aware of the existence of the QREC the QREP experience was so fresh it made me grow in a spurt, so stimulating it almost gave me a nosebleed! It made me feel that I had hitherto been crushing my own potential. On the one hand I felt that I had been strait-jacketed by preconceived notions and a lack of courage to do things differently to those around me, but on the other hand I feel sincerely pleased that I realized these things. This is because I was sure that over the next two years I would grow and learn through the QREC tuition. Of course when I returned from overseas I took up again my studies at QREC, and participated as a committee member in the management of entrepreneurial experiences. Encountering new learning I have had many stimulating meetings, and become able to think honestly about the path I should take. I think that I have spent a most rewarding two years.

## [Courses]

- Idea Lab I
- Advanced Lecture in Technology Marketing
- Advanced Lecture in Introduction to Entrepreneurship
- Advanced Lecture in Entrepreneurship Seminar
- Design Thinking
- Robert T. Huang Entrepreneurship Program (QREP)

\*Hirotaka Kiku is a member of the QSHOP committee

# 12 Specialty Projects/Programs

●QREC conducts the following specialty programs and projects.

## Project (Student projects)

### ●Global Challenge and Creation (G.C&C) | P.32

Opportunities are provided for students to apply to take part in all sorts of overseas business plans and technology competitions and hackathons, in order to give them experiences in real worldwide creation value, nurture their global outlook, and foster in them a sense of innovation and entrepreneurship.

### ●Idea Battle | P.32

Through research into latent needs and competitive research and the provision of advice by mentors, the ideas being cradled by the students can be brushed up and made into more realistic plans in this project that was newly set up in 2014. Each project is provided with funding of up to 100,000 yen.

### ●Challenge and Creation (C&C) | P.33

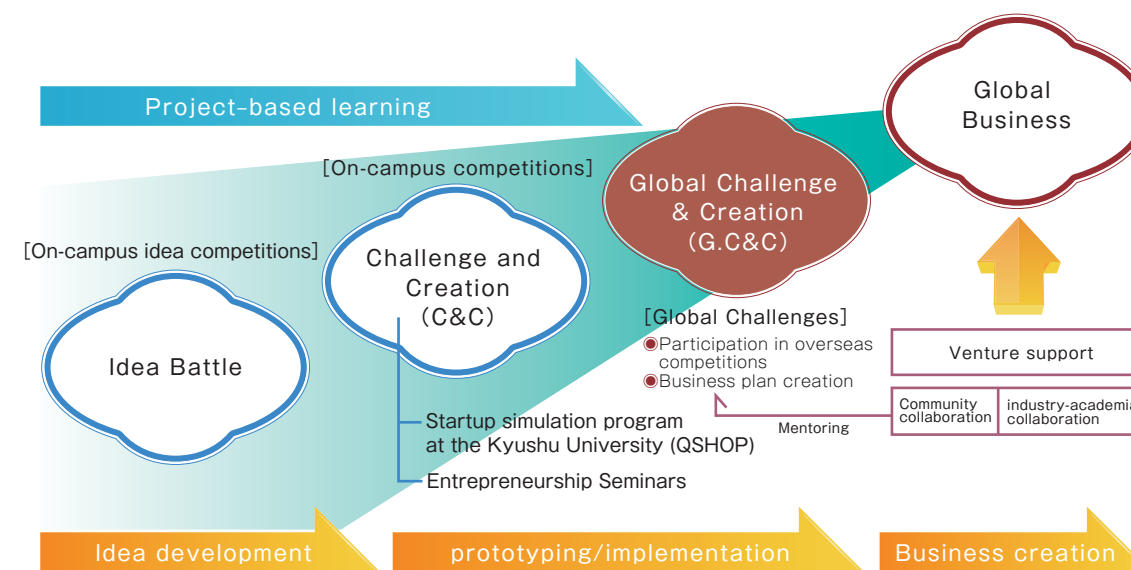
Funds not exceeding 500,000 yen will be provided from the President's discretion-ary budget for projects selected from ideas that are organized and planned by students and student groups. The students work through the year to realize the goal of their projects.

### ●Academic Challenge (AC) | P.34

AC is a research promotion program aimed at graduate students enrolled at Kyushu University. The aim of the program is for students to gain valuable research management experience through this sequence of hands-on exercises.

### ●Startup Simulation program at the Kyushu University (QSHOP) | P.35

QSHOP offers students the opportunity to start businesses by setting up and managing stalls at the university's Kyudaisai Festival. Participating students are "entrepreneurs" receiving funds from "investors." They launch a simulated "company" store, and execute their business plan in the "market" at the Kyudaisai Festival.



## Program (Education Programs)

### ●Entrepreneurship seminar | P.36

Organized and conducted in an omnibus style, the seminar program provides students with an opportunity to foster entrepreneurship and to consider their career path.

### ●Kyushu University Robert T. Huang Entrepreneurship Program (QREP) | P.37

Designed to foster entrepreneurship and an international sensibility, this program was brought about thanks to the support of Dr. Robert T. Huang, a graduate of Kyushu University and a Founder and a former Chairman of SYNEX Corporation, as well as other individuals.



# 12 Specialty Projects/Programs

## Global Challenge and Creation [G.C&C]



Challenging a world of globalization! Let us do battle with overseas students!!

Global Challenge and Creation (G.C&C) provides opportunities for students to compete directly with overseas students in student business plan competitions, and gives them experience in the process of turning their ideas into practical services and goods that will bring value to society. Its purpose is to foster and let students acquire a fully-fledged entrepreneurship that will achieve results in international society, and a sense of innovation and globalism. Plenty of chances are given for students to apply to take part in overseas business plan competitions and hackathons, and support is provided through mentoring and financial aid for air fares and so on. In the 2014 academic year, the first year of the program, the winning C&C team 2013 participated.

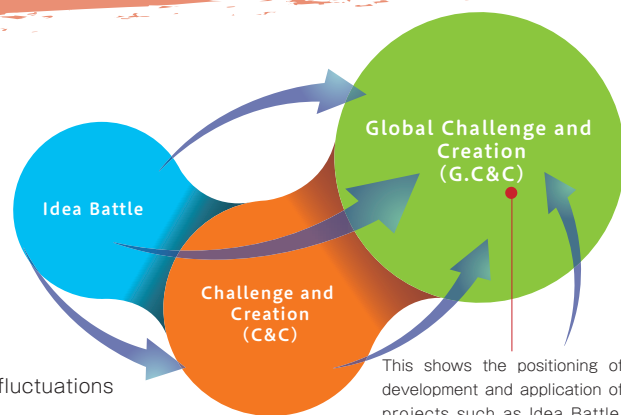
### [2014 participation project]

Development of a new rotary wind tunnel capable of reproducing fluctuations in wind direction Leader - Joshua Roan and four others

### 2014 TECO Green Tech Contest Rules of Competition

#### 2014 schedule

August 25 to 29



This shows the positioning of development and application of projects such as Idea Battle, Challenge and Creation C&C within the QREC project.

## Idea Battle

<http://qrec.kyushu-u.ac.jp/en/ideabattle>

Show the world your creative and innovative ideas!!

Idea Battle is a new project that was first set up in the 2014 academic year. It enables the suggesting of more realistic projects by providing advice from mentors and preliminary research into the latent needs, competitive technologies and intellectual property rights regarding the creative but unrefined ideas cradled by the students. When an idea is chosen for Idea Battle it is researched and investigated in detail for around three months, after which a highly accurate project plan is fleshed out and the team to execute the project assembled. Finally, a presentation of the project plan is given at the final presentation, and by sharing the plan with those assembled a chance is provided for brushing up the idea and this serves as a preparatory exercise before the next stage of action is taken. Within the QREC projects the Idea Battle is positioned as a preliminary stage for Challenge & Creation (C&C) and applying to take part in external business plan competitions and other such events. In the 2014 academic year, the first year of the program, eight teams applied and were selected.

### [2014 Selected projects]

	Scope of Themes	Themes suggested
1	Information and communications technology (ICT)	Development of a service area service that precisely matches current web users
2	Information and communications technology (ICT)	Creation of an AR guide map
3	Information and communications technology (ICT)	Clothing rental business
4	Agri-bio/healthcare	Piezo-electricity in daily life using piezo-electric devices
5	Agri-bio/healthcare	Research into old peoples' homes in Japan and care services
6	ICT and Agri-bio/healthcare	Provision of health care application enabling illness estimation--and information such as emergency procedures and local hospital guides
7	Big data and Agri-bio/healthcare	Application for promoting better health using big data
8	Other	Creation of a disaster and accident prevention system using drones



## Challenge and Creation[C&C]

<http://qrec.kyushu-u.ac.jp/en/cc>

A university-wide effort to promote one-year projects aided by grants from the President's discretionary budget

With the idea of producing a creative, challenging environment, C&C was begun in 1997 as an annual university-wide effort designed to provide assistance to unique ideas and research projects planned by Kyushu University students. The program now epitomizes Kyushu University's unique approach to education. Ideas and study projects proposed by individual students and groups of students are evaluated for novelty and societal impact, with eight teams being selected to receive up to 500,000 yen to support their activities to realize the project goals. About one year later, the teams present reports on their projects and are evaluated, with the honors going to the winning team. There were 40 proposals in 2014, of which nine were adopted. Their content varied greatly and included projects developing research, development of applications to create new enterprises and businesses, and projects linking up with local communities and connecting with education.



#### 2014 Schedule

- April / Applications begin to be accepted
- May 20 (Tue.) / Applicant Review Board convened (Of 40 applicants 9 were accepted) ※Lecture Room, 21st Century Plaza I
- May 29 (Thu.) / Briefing on procedural matters
- October 23 (Thu.) / Mid-term presentation
- February 17, 2015 (Tue.) / Final presentation (President's Award in the 2014 academic year: 3 recipients)
- May 26, 2015 (Tue.) / President's Award Ceremony



### Challenge and Creation (C&C) 2014

Winners for two years running, in 2013 and 2014!



#### President's Award

Development of a new rotary wind tunnel capable of reproducing fluctuations in wind direction

- Representative name / Joshua Roan
- Undergraduate school / The 21st Century Program
- Year / B2
- Category / Open theme (ongoing)



#### Excellence Award

Development of auxiliary materials for chemistry experiments in high schools

- Representative name / Yoichi Sasaki
- Undergraduate school / School of Engineering
- Major/ Department / Department of Materials Science and Engineering
- Year / B3
- Category / Open theme



#### Excellence Award

Camera-based vacant seat information delivery system

- Representative name / Daisuke Nakai
- Graduate / Graduate School of Economics
- Department / Department of Business and Technology Management
- Year / M1
- Category / Business creation

### [Other selected projects]

Project name	Representative name	Graduate/ Undergraduate school	Major/ Department	Year	Category
Creation of a mechanism linking male care workers with social resources through a cooking class in which those being cared for can accompany care workers	Midori Nishio	Graduate School of Medical Sciences	Department of Health Science	D3	Open theme
Manufacturing & data education project for junior/high school students using LEGO MINDSTORMS: QMR (Q-dai MINDSTORMS Robocon) Project	Minori Furusawa	The 21st Century Program		B2	Open theme
Research into avian-specific developmental processes using duck eggs: thinking about the generation of life forms from the perspectives of individual birds and cells	Kana Aoki	Scholl of Sciences	Department of Biology	B4	Open theme
Development and operation of a Japanese popular culture ranking site by country	Shogo Ochiai	Scholl of Engineering	Department of Materials Science and Engineering	B4	Open theme
Hybrid rocket development and breaking of the students' record height	Yosuke Fujisawa	Scholl of Engineering	Department of Mechanical and Aerospace Engineering	B3	Open theme
Creation of a full/vacant data delivery service for EV charge stands	Yasuhiro Toyofuku	Graduate School of Engineering	Department of Hydrogen Energy Systems	M2	Business creation



## 12 Specialty Projects/Programs

### Academic Challenge[AC]

<http://qrec.kyushu-u.ac.jp/en/ac>

A program supported with research grants for students to learn research management

Academic Challenge (AC) is a research promotion program aimed at graduate students enrolled at Kyushu University. Students plan out their own research projects with any necessary capital provided by the university and students carrying out the actual research. The aim of the program is for students to gain valuable research management experience through this sequence of hands-on exercises. In order to promote promising research to fuel future innovation, students are afforded the opportunity to display their creativity and flexibility by facing off against each other in the pursuit of academic research. A maximum grant of 500,000 yen is provided for each project. Launched in the 2008 academic year, there were 37 applicants with eight projects selected in the 2014 academic year. Many of the selections were from the Graduate School of Pharmaceutical Sciences.

For Kyushu University  
Graduate Students

Academic  
Challenge

#### 2014 Schedule

- April / Applications begin to be accepted
- June 19 (Thu.) / Academic Challenge review board convened (Of 37 applicants 8 were accepted)
- June 26 (Thu.) / Briefing on procedural matters
- October 30 (Thu.) / Mid-term presentation
- February 18, 2015 (Wed.) / Final presentation



#### Seventh Academic Challenge 2014 Selections

Theme	Name	Graduate/ Undergraduate school	Major/Department	Year
High-quality low-temperature growth of a Group IV heteroepitaxial transistor material (GeSn) for next-generation electronics	Hironori Chikita	Graduate School of Information Science and Electrical Engineering	Department of Electrical and Electronic Engineering	M2
Elucidation of mechanism of anti-cancer drug induced peripheral nerve disorders using minimally invasive spinal cord microdialysis	Soichiro Ushio	Graduate School of Pharmaceutical Sciences	Department of Medicinal Sciences	D3
Involvement of nitric oxide with activation of Toll-like receptor 4 signaling in mice with dextran sodium sulfate-induced ulcerative colitis	Xin Tun	Graduate School of Pharmaceutical Sciences	Department of Medicinal Sciences	D3
Development and commercialization of a chiral metabolome analysis for the early diagnosis of aromatic amino acid metabolism disease	Reiko Koga	Graduate School of Pharmaceutical Sciences	Department of Medicinal Sciences	D3
Developmental disability due to dioxin: an analysis focusing on growth hormones of perinatal infants	Yukiko Hattori	Graduate School of Pharmaceutical Sciences	Department of Medicinal Sciences	M2
Establishment of common marmoset IPS cells and blood cell differentiation using a new viral vector	Saori Yamaguchi	Graduate School of Medical Sciences	Department of Medicine	D4
Elucidation of the barley seed germination regulation structure of reactive oxygen signal receptive transcriptional factor RF2a	Kyohei Kai	Graduate School of Bioresource and Bioenvironmental Sciences	Department of Bioresource Sciences	M2
Wireless spin flux generation and its applications through the fusion of spin dynamics and thermal spin injection	Kazuto Yamanoi	Graduate School of Sciences	Department of Physics	D1

### Startup Simulation program at the Kyushu University[QSHOP]

<http://qrec.kyushu-u.ac.jp/en/qshop>

A program for learning the fundamentals of running a company and gaining hands-on experience of operating a company

QSHOP provides an opportunity for students to learn about starting businesses and management by means of the Kyudaisai Festival. As a hands-on experience of the process for starting a business using real cash, QSHOP is a project-based-learning (PBL) program.

Setting up a simulated store at the Kyudaisai Festival provides the opportunity to start a business. Students become "entrepreneurs," establish a company organization, learn the fundamentals of business management, and experience hands-on operation of company management through the program. Not only do they set up the stall and conduct sales activities, they also announce a business plan and hold a general shareholders meeting. They also receive support from real-life sponsors ("venture capitalists"), certified public accountants, judicial scriveners, bank employees and so on.

The objective of the program is for each team to maximize its Return on Equity (ROE). In the process of determining the final rankings, they also learn about the activities of the other teams that are their business competitors.

In addition, the program is run completely by the students themselves, providing further real-life and hands-on business administration experience through the establishment of rules and management of the program. In the 2014 academic year, a team that displayed a prior grasp of accounting and procured funds by working out a strategy were the winners.



#### 2014 Status of QSHOP Implementation

April - mid May	Operation project recruitment of student members
May - June	Invitation to organizations to participate
July 30 (Wed.)	Orientation / Opening lecture
End of September	Students divided up into teams and create business plans. Students consider what kind of business they want to engage in, what their sales target is, who their target customers are, how they will sell their products and so on, and prepare a business plan.
October 16 (Thu.)	Business plan presentation and Examination board: Each team of entrepreneurs announces its business plan and negotiates with potential sponsors ("venture capitalists"), and then finalizes its business plan and investment ratio.
November to the day before the Kyudaisai Festival	Various submissions and preparations. Establishment of companies and preparations for sales activities.
November 22, 23 (Sat.&Sun.)	Kyudaisai Festival: Sales activities. Venue for entrepreneurs to present what they have prepared.
January 15, 2015 (Thu.)	General Meeting of Stockholders and Awards Ceremony. Balance sheets recognized, business reports created. Dividends calculated, companies liquidated.
February 17, 2015 (Tue.)	C&C 2014 Final presentation : Presentation of activities for the program

Six teams participated in the 2014 academic year and the businesses shown below were established.

Winner:	1st Place	Company name : Ohishi Seminar	Description : Toasted sandwiches, rusks	
	2nd Place	Company name : Clover	Description : Churros, service provisions (games etc.)	
	3rd Place	Company name : Sugiyama Ltd.	Description : Toasted sandwiches, rusks	
	4th Place	Company name : Ichinenhokki	Description : Soup powder	
	5th Place	Company name : BEGINNERS	Description : Cheesecake, rusks	
	6th Place	Company name : Curry Lab	Description : Indian curry, nans, lassi	



## 12 Specialty Projects/Programs

### Entrepreneurship Seminar

<http://qrec.kyushu-u.ac.jp/en/entreseminar>

#### An Interdisciplinary Entrepreneurship Education Program

In order to create a new industry, along with research activities that produce the seeds of this new vision, professionals possessing the entrepreneurial spirit necessary to stand up to new challenges must be nurtured. At QREC, the goal is to develop the entrepreneurial spirit in our students and provide each of them with the opportunity to consider different career options. With this in mind, each year the Entrepreneurship Seminar class is planned out and presented in an omnibus format, inviting lecturers from a broad spectrum of fields. Selection of the theme and lecturers, negotiations, organization and operation, including arranging the day's lecture program, are tasks completely delegated to the Student Planning Committee. The Student Planning Committee members for the 2014 academic year declared their objective to be the presentation of opportunities for enrolled students to view the world and society from new perspectives, to cultivate awareness, and to evoke new actions. The seven invited lecturers conducted their classes not only on the field of entrepreneurship, but also the status of leading-edge scientific research, approaches to balancing work and life, methods for enhancing creativity and imagination, and other such points of entry. The class sessions were also inventively arranged with a speed contest between automobile models without axles (creativity), the creation of a future newspaper (linking the future to the present), and other such unique and striking lectures.

#### 2014 Theme / Opportunities



#### 2014 Entrepreneurship Seminar Lecture Schedule

Seminar #1 November 28 (Fri.)	Guidance (Orientation)
Seminar #2 December 5 (Fri.)	Mr. Tomohiro Kumagai, Director , Career Design School GAKYUKAN, Director , Japan Business Lab. Co. Ltd.
Seminar #3 December 12 (Fri.)	Mr. Morishige Toyama, CEO, Shichida Child Academy KK
Seminar #4 December 19 (Fri.)	Mr. Takahiko Nomura, CEO, Future Sessions Inc.
Seminar #5 January 9, 2015 (Fri.)	Prof. Kazunari Sasaki, Distinguished Professor, Kyushu University, Director, International Research Center for Hydrogen Energy
Seminar #6 January 13, 2015 (Tue.)	Mr. Toshihisa Wanami, Representative Partner, Lean Startup Japan LLC
Seminar #7 January 23, 2015 (Fri.)	Mr. Daisuke Sakai, Director, teamLab Inc.
Seminar #8 January 30, 2015 (Fri.)	Mr. Tomokazu Ozu, Board Member, Fathering Japan Q-Shu, CEO, OZ Company

### Kyushu University Robert T. Huang Entrepreneurship Program[QREP]

<http://qrec.kyushu-u.ac.jp/en/qrep>

#### Designed to Encourage a Spirit of Challenge and Global Awareness

Designed to foster entrepreneurship and an international sensibility, this program was brought about thanks to the support of Dr. Robert T. Huang, a graduate of Kyushu University, as well as other individuals. Students visit Silicon Valley in the U.S. for one week, attending lectures by a variety of noted instructors and exchanging opinions and information with Stanford University students and others. Through this process, students are afforded the opportunity to reflect on their career choices and develop a spirit of seeking out challenges and improving their international awareness.

For the 2014 academic year, 22 students from the science and humanities faculties of Kyushu University as well as Graduate School participated together with four students from Waseda University, which has a special agreement with Kyushu University. The program provided opportunities for the students to witness the recent trends in design thinking and monozukuri (skilled manufacturing) and to spend more time at Stanford University. This proved very popular with the students, who were astonished by the diversity of values in Silicon Valley and the exposure they gained to the way of life and corporate cultures that are completely different from those in Japan. The powerful impression left on the students will undoubtedly stimulate great changes in their future lives.

#### Goals

- To nurture the entrepreneurial spirit (a spirit of seeking out challenges)
- To increase global consciousness
- To provide the opportunity to come in contact with a variety of values
- To improve individual self-awareness (assertiveness, independence)
- To reinforce the significance of subjects studied at university and improve the desire to learn
- To expose students to world-class research and business practices
- To allow students to develop knowledge related to starting a business and an understanding of actual business conditions
- To develop competitive professionals



#### 2014 QREP Silicon Valley Schedule

March 1 (Sun.)	Arrival → Pass through immigration → Travel by bus (sightseeing in San Francisco) → QREP goals explained by Prof. Toru Tanigawa → "What do you want to study at SV?" Prof. Masahito Matsuo, Director of Kyushu U. CA Office → Informal discussions between Kyushu and Waseda University graduates: Welcome reception hosted by Kyushu U. CA Office
March 2 (Mon.)	Discussion on international careers and social contribution: Ms. Riku Shan, Cook Pad → Discussion on international innovation: Mr. Yutaka Kuroda, Cardinal Consulting → Discussion on entrepreneurship and the entrepreneurial spirit: Mr. Tatsunori Suzuki, CEO, Zeptor Co. → Panel discussion on international careers: 4 exchange students from Stanford U., SJSU, and others
March 3 (Tue.)	Discussion on international careers and corporations: Oracle visit for discussions with Japanese employees → Discussion on entrepreneurship and the entrepreneurial spirit: B-Bridge visit → Discussion on creating new businesses: Plug & Play visit (presented by Japanese VB) → Discussion on theories of Japanese enterprise: participation in SVIF seminar: Mr. Anis Uzzaman, GP&CEO, Fenox Venture Capital
March 4 (Wed.)	Discussion on international management and careers: Mr. Hiroaki Yoshihara, former KPMG Vice Chairman → Panel discussion on international professionals: four business professionals from Apple, ATA VC, Alchimier and other US businesses → Discussion on entrepreneurship and SV: Mr. Kazuhisa Terasaki, Evernote → Interim arrangement of issues / discussion → Panel discussion on research, technology, and careers: JBC (an organization for Japanese researchers in biology)
March 5 (Thu.)	Discussion on design thinking, IDEO/SF visit → Stanford d.school tour → Discussion on the university in Japan and the U.S.: Prof. Takeo Hoshi, Stanford University and others → Discussion on new business trends: TechShop San Jose visit → Discussion on international business: participation in a class at Stanford University, discussion with Stanford University students (Prof. Richard Dasher) → Roundtable exchange of opinions with Stanford University students
March 6 (Fri.)	Discussion on human resources and global careers: Mr. Tomoyuki Tateno, MD, TP Partners → Discussion on theories of management in Japan and the U.S.: Mr. Yasuaki Nishiura, former Partner, Deloitte LLP → Discussion on entrepreneurship and new monozukuri: Mr. Yoshiki Endo, CEO, Beans International → Overall arrangement of issues / discussion → Lecture by Dr. Robert T. Huang → Farewell reception given by Kyushu U. CA Office (Presentations by student, commemoration of 10th anniversary)
March 7 (Sat.)	Get ready to leave U.S. → Arrive in Japan





## The 3rd Innovation Education Conference Annual Meeting

“What Innovation Education is Desirable Today?”

–Re-examining the Essence of Innovation Human Resources and Training Methods–

Dates: March 16 (Mon.) – 17 (Tue.), 2015

(March 15: Preliminary Meeting to Exchange Information and Opinions;

<Themes> Future form of the conference, next year’s conference, etc.)

Veunes : ○March 16 Workshop Venue: Seminar Room, 2F, Sozo Pavilion, Kyushu University Hakozaki Campus

Preliminary Presentation Meeting Venue: Memorial Auditorium Conference Room

○March 17 Poster Session Venue: Memorial Auditorium Faculty Club

Keynote Lecture/Panel Discussion Venue: Memorial Auditorium Conference Room

The Innovation Education Conference: The 3rd Annual Conference was held over two days— March 16 (Mon.) and 17 (Tue.), 2015—on the campus of the organizing institution, Kyushu University. This year’s Innovation Education Conference returned to the essence of innovation human resources training—for which expectations are rising—to consider what innovation human resources are currently desired and methods for training these human resources, providing an opportunity for participating individuals and institutions to share information about their endeavors. Although this was the first time the conference had been held in a regional area, away from Tokyo, over 170 people involved in innovation education—including university instructors, researchers, and students as well as government and industry representatives—gathered together for the two-day meeting, which was great success.

On Day 1, conference events were held at two separate venues: one for the workshops and one for the education case example presentations. At the workshop venue, three workshops were conducted, with Professor Takashi Maeno of the Graduate School of System Design and Management, Keio University; Professor Yasuyuki Hirai of the Graduate School of Design, Kyushu University; and Mr. Rikie Ishii of the NPO Idea Co-create Community Network (ICON).

Under the leadership of the enthusiastic facilitators, each workshop also provided opportunities for participants to express and exchange ideas, generating many new ideas and insights.

At the case example presentation venue, 11 professionals involved in innovation education—university researchers/instructors and government/industry representatives—presented case examples of innovation education. Central to each case example was measures utilizing “design thinking”. Each institution presented a diversity of measures, and the session was abuzz with many questions.

On Day 2, 16 universities/institutions participated in a poster presentation. The keynote lecture was also presented, with Professor Noboru Konno of the Tama University Graduate School speaking on the topic of innovation and human resources training.

For the panel discussion, which followed the keynote lecture, four panelists from various different backgrounds and perspectives—a representative of an enterprise that promotes innovation education, a representative of a design firm that promotes consulting using design thinking, someone who promotes the advancement of regional innovation, and someone who has had the experience of undergoing innovation education at university—were invited to participate and a discussion was conducted on the topic “How should innovation human resources training and the creation of new business be promoted?”

Over its two days, the conference provided extremely meaningful opportunities over the two days it was held, with many industry/government/university representatives sharing information centered on the key word of “innovation education” and networks amongst participants being strengthened even further. Last but not least, it was confirmed that consideration would continue to be given to the direction and organizational structure of the Innovation Education Conference going forward, and the meeting came to a successful close.



## Workshop on Entrepreneurship in Designing New Value for BOP People

“How Do We Nurture Global Entrepreneurs?”

–Kyushu University’s Endeavors in Developing Countries–



Date: February 18, 2015 (Wed.) Venue: 21st Century Plaza I 2F, Kyushu University Hakozaki Campus (Science)

The Workshop on Entrepreneurship in Designing New Value for BOP People was held on February 18, 2015 (Wed.) at the 21st Century Plaza, Kyushu University Hakozaki Campus (Science). Conducted under the theme of “How Do We Nurture Global Entrepreneurs?—Kyushu University’s Endeavors in Developing Countries”, the seminar was attended by 27 students of Kyushu University and other universities as well as adult members of society, and a lively discussion ensued.

Since the needs of BOP countries differ from the products and services utilized in developed countries, the seminar provided a valuable opportunity for understanding at close hand just how important it is to be well-aware of the needs of BOP countries and utilize this understanding in realizing services and product development.

In the first-half of the seminar, lectures were presented by three guest instructors from Bangladesh and Mr. Hiroaki Umezawa, Director of FabLab Shibuya. Associate Professor MD Nazumul Hossain of the University of Dhaka spoke on the topic “Entrepreneur Education in Bangladesh”; Mr. Hasan of the Bangladesh Open Source Network spoke on “Entrepreneur Training” in Bangladesh; and lastly Mr. Rafiqul Islam of Grameen Communications spoke on the efforts of the Grameen Group with regard to social business and education. In addition, Mr. Umezawa spoke about the efforts of Japanese NPOs aimed at realizing appropriate technology in BOP countries.

In the second half of the seminar, a panel discussion was conducted on the theme of “How Do We Nurture Global Entrepreneurs in Order to Promote Global Innovation?—Focus on Efforts in Developing Countries”. Panelists included Mr. Umezawa as well as representatives of NPOs and universities involved with BOP and JICA, enabling a deeply interesting discussion of various case examples of the current situation in developing countries and the efforts of entrepreneurs to resolve various issues. The question & answer session was also lively, and the seminar concluded in a somewhat heated atmosphere.



## QREC/KASTEC Collaborative Entrepreneurship Seminar

“How Will the Development of Digital Manufacturing Change Individuals, Businesses, and Communities?”

Date: November 15, 2014 (Sat.) Venue: Kyushu University Ohashi Satellite (Lunette)

On November 15, 2014 (Sat.), a seminar on “Digital Manufacturing” was held jointly by QREC and the Art, Science and Technology Center for Cooperative Research, Kyushu University (KASTEC).

The rapid diffusion of digital machine tools due to the lowering of prices for 3D printers, etc., is exerting an impact that is transforming the relationship between users and creators. In addition, due to the connection of manufacturing information to the Internet it has become possible for people and businesses throughout the world—regardless of whether they are individual people or corporations—to connect instantaneously, enabling individual people to become lead players in world markets. The increase in “manufacturing incubators” in the United States is proof of this trend. Furthermore, the increase in “FabLabs” as places for a diversity of individual people to share manufacturing and convey/share information has facilitated the connection of people within regions and collaboration amongst people around the world, leading to the invigoration and globalization of local communities as well as the generation of innovation. For this seminar, lectures were presented by three guest speakers—Associate Professor Hiroya Tanaka of Keio University, who created the catalyst for the spread of FabLabs in Japan; Mr. Kazuhisa Terasaki, who by himself has created numerous products and is a regular at events such as ROBOCON and the Maker Faire in the United States, where he resides; and Mr. Hiroshi Tamura, Co-Founder and Managing Director of REPUBLIC, Inc., an innovation studio that has been commissioned by Fukuoka City to promote innovation by residents—on the themes of “What has the digital manufacturing revolution brought?” “How will individuals, businesses, and communities change?” and “It change possible?”

In the panel discussion that followed the lectures, a passionate debate ensued amongst participants regarding digital manufacturing from a global perspective. Although the seminar was held in the regional city of Fukuoka, it was a tremendously stimulating meeting for participants.





## Workshop for Mastering Design Thinking

—Learn the Stanford Method of “Design Thinking”—

Date: December 13 (Sat.) and 14 (Sun.), 2014 Venue: Seminar Room 2F, Sozo Pavilion, Kyushu University Hakozaki Campus

A “Workshop for Mastering Design Thinking” was held at the Kyushu University Hakozaki Campus Sozo Pavilion 2F Seminar Room over two days, December 13 (Sat.) and 14 (Sun.), 2014.

For this event, the invited instructor was Mr. Takanori Kashino, Representative Director of the Design Thinking Institute—the person who introduced the Stanford University d. school method of “design thinking” to Japan—and a workshop was conducted with the aim of nurturing “design thinking” workshop facilitators using the Stanford University method.

A broad range of participants from university faculties and graduate school—even including members of the general public—gathered together for this event and were divided into four groups for workshop activities. Under the masterly lead of Mr. Kashino, participants’ ideas were transformed into prototypes through repeated trial and error, and in the final presentations, the groups presented proposals that were both unique and valuable. At the same time, participants understanding of design thinking developed tremendously through the meticulous explanations regarding the meaning and meaningfulness of each process that were provided at each step in the workshop.

Accordingly, high expectations can be held that participants will apply what they learned at this workshop to various business scenarios they will encounter in the future.



## QREC 2014 Asia Round Table/QREP Final Presentations

“What Can Fukuoka Learn from Silicon Valley” —Points for XX as Told By Someone with Experience—

Date: March 21, 2015 (Sat.) Venue: Tenjin Bldg. 11F (2 chome Tenjin, Chuo-ku, Fukuoka City)

On March 21, 2015 (Sat.), in conjunction with the 10th QREP Final Presentations, QREC held the 2014 Asia Round Table on the theme of “What Can Fukuoka Learn from Silicon Valley?” At the round table, Co-founder and Chairman of Blue Jay Energy, Inc., Mr. Hiromu Soga—who has provided support for business start-ups and has had the experience of actually starting-up a business in Silicon Valley—presented a keynote lecture on “My Method for Utilizing Silicon Valley: From My Experience Starting-up a Business in Silicon Valley.” Mr. Soga lectured vividly on various topics, including the actual conditions for starting-up a business in Silicon Valley, differences between the mindsets, decision-making processes, sense of urgency of people in the United States and Japan, the actual situation regarding land fostering eco systems creating win-win situations for all players, as well as background stories about the negotiations he had with Mr. Steve Jobs, the co-founder of Apple Computer when selling his company. The students have been inspired by his lecture based on his personal experience, which was followed by a lively discussion. In addition, a talk session including Kyushu TLO Company, Limited Adviser Mr. Tsuyoshi Sakamoto Fukuoka Center for Overseas Commerce in America (FCOCA) San Francisco Executive Director Mr. Ryuzo Nakaya, was also conducted under the theme of “What Can Fukuoka Learn from Silicon Valley?”—providing a catalyst for audience members to think about various things that can be done in Fukuoka City, which has been designated as a National Strategic Special Zone for Global Startups and Job Creation.

On the same day, final presentations were made by Kyushu University and Waseda University students participating in a week-long training program in Silicon Valley under the Entrepreneurship Program (QREP) on the theme of “Major Strategies for Expanding Japanese Businesses Overseas Learning from Silicon Valley.” The students made presentations on their impressions of Silicon Valley, how they had been changed by the experience, and the business plans they worked on as part of group work activities. Following the presentations, the students received valuable advice from the instructors, and they appear to have been further inspired.



## Nomura Research Institute (NRI)/QREC Consulting Workshop 2014

—Let’s Experience Management Consulting through Role-play—

Date: June 8, 2014 (Sun.) Venue: Silicon Valley Room 2F, EC Building, Kyushu University Hakozaki Campus

On June 8, 2014 (Sun.), in cooperation with the Nomura Research Institute (NRI), QREC conducted a workshop enabling participants to experience management consulting activities. For the workshop, three instructors were invited from Tokyo and through role-play, attendees experienced logical thinking and other consulting methods that lead to optimal proposals for clients. As the many group work activities were carried out with lectures in between, there were also lively discussions within each group as participants worked in teams to consider and propose solutions to problems. Because the topics used were actual projects in which the NRI had been involved, as a practical experience the workshop left a strong impression on participating students, who were able to receive advice mixed in with information about how the case was handled in real life. Being the first time a workshop such as this was attempted, the experience was somewhat short; despite this, participants’ impressions of the event included comments such as “It was very condensed,” “I was made aware of my immaturity and experienced a broad width that enables growth,” and “It was a very good experience in terms of thinking about the job of consulting”. Observing the active exchanges of opinions, suggested proposals, and group work when participants were considering solutions to problems, the instructors were also very impressed with the students who attended the workshop.



## QREC Summer Camp 2014 with Deloitte Tohmatsu Consulting Co., Ltd.

—Learning the analytical methods of consultants—

Date: September 28 (Sun.) to 30 (Tue.), 2014 Venue: Silicon Valley Room 2F, EC Building, Kyushu University Hakozaki Campus

For three days between September 28 (Sun.) and 30 (Tue.), QREC held a workshop with Deloitte Tohmatsu Consulting Co., Ltd. to study corporate consulting. Participating students used actual frames utilized on a daily basis in consulting, experiencing research techniques, problem analysis, and strategy planning in group work and then making presentations of their results on the final day. The theme for the camp was “Marketing with the goal of doubling inbound tourists to Kyushu”; the Kyushu Tourism Association was set as the client, with students carrying out an analysis of the current situation on the familiar theme of tourism and then planning and presenting a proposal to the target client on the final day. Held for the third consecutive year, each year the workshop provides participating students with a good opportunity for learning about business and logical thinking through techniques used in the consulting industry.





QREC invites guest lecturers depending on the lesson. In the 2014 academic year, a wide variety of guests kindly held classes for QREC.

[Company name]	[Title]	[Name]
Acton is a message project	Founder	Ms . Yuuri Tabata
i.club	Managing Director	Mr. Yu Ogawa
IDEO Japan	co-founder and co-Managing Director	Mr. Michael Peng
IDEO Tokyo	Business designer	Mr. Kenichi Nonomura
IDEO Tokyo	Business Operations Lead and Design Researcher	Ms. Amelia Juhl
IDEO Tokyo	Interaction designer	Mr. Ashley Szukalski
IPEXCHANGE LIMITED	Founder and CEO	Dr. Hidero Nioka
Department of Industrial Engineering and Management, Aalto University	Prof. / Dr.	Dr. Peter Steven Kelly
Activelink Co., Ltd.	President	Mr. Hiromichi Fujimoto
Abraham Group Holdings Co., Ltd.	Founder and CEO	Mr. Soichiro Takaoka
Allied Architects, Inc.	President and CEO	Mr. Masahide Nakamura
Aristoteles Partners, Inc.	Representative Director	Mr. Satoshi Koga
Evernote Corporation	Mobile Application Engineer	Mr. Kazuhisa Terasaki
ETIC.	Incubation Business Manager	Mr. Kensuke Sasaki
Oisix Inc.		Mr. Tomohiro Nakatate
Karakurimono Co.,Ltd.	CEO	Mr.Yutaka Okamoto
Kyushu TLO Company, Limited	Advisor	Mr. Tsuyoshi Sakamoto
The 21st Century Program, Kyushu University	Second-year undergraduate student	Mr. Joshua Lawn
The Department of Economy and Business, School of Economics, Kyushu University	Fourth-year undergraduate student	Ms. Asuka Kuwae
Graduate School of Information Science and Electrical Engineering, Kyushu University	Associate Professor	Assoc. prof. Ashir Ahamed
Office for the planning and Coordination of International Affairs, Kyushu University	Research Professor	Prof. Masafumi Nagaishi
Creable	Representative	Mr. Hideki Segawa
Claremont Graduate University	Ph.D. Student	Mr. Masakatsu Ono
Global Communication Center Grameen Communications	Consultant	Mr. Rafiqul Islam
Faculty of Environment and Information Studies, Keio University	Associate Professor	Assoc. Prof. Hiroya Tanaka
Trade Policy Bureau, METI	Deputy Director-General for Trade Policy	Mr. Haruhiko Ando
Kopernik	Representative Director	Ms. Hiromi Tengeji
Ouha Co., Ltd.	President	Mr. Renpei Abe
3Rock KK	President	Mr. Jeffrey B. Schnack
SEIA Co., Ltd.	President	Mr. Makoto Kagiyaama
Social Project Co., Ltd.	President	Mr. Katsuyoshi Obi

The speakers are listed in Japanese alphabetical order by company name. The positions and titles below are current as of the time of the lecture by the speaker.

[Company name]	[Title]	[Name]
Tama Graduate School of Business	Professor	Prof. Noboru Konno
Dhaka University	Associate Professor	Assoc. prof. MD Nazumul Hossain
TURISMO LLC	Representative Partner	Mr. Katsuyoshi Kuriya
DBJ Capital Co., Ltd.	Managing Director	Mr. Yasuhisa Yamaguchi
Technische Universität Hambrug-Harburg	Prof. / Dr.	Dr. Cornelius Herstatt
Technical Rockstars, Inc	CEO	Mr. Syuhei Hiya
Design Thinking Institute	Representative Director	Mr.Takanori Kashino
Dogan, Inc.	COO	Mr. Ryohei Hayashi
i.school, the University of Tokyo	Director	Mr. Yukinobu Yokota
Graduate School of Economics and Management, Tohoku University	Professor	Prof. Michi Fukushima
Consulting Division, Nomura Research Institute	Chief Consultant, General Manager, Global Manufacturing Industries Sector	Dr. Yasushi Konno
Nomura Research Institute,Ltd.	Chief Consultant	Mr.Hikojiro Isozaki
Piped Bits Co., Ltd.	Representative Director, President and CEO	Mr. Nobuaki Satani
Bangladesh Open Source Network	General Secretary	Mr. Munir Hasan
Blue Jay Energy, Inc /KAPION, Inc.	Co-founder and Chairman / CEO	Mr. Hiromu Soga
Fathering Japan	Deputy representative	Mr. Tetsuya Ando
Future Venture Capital Co., Ltd.	President & CEO	Mr. Keiji Imajo
Fukuoka Urban Laboratory LLC	Project Planner	Ms. Yui Haraguchi
World Heritage Registration Promotion Division, Fukuoka Prefectural Government	Assistant Section Chief	Mr. Ryuzo Nakaya
See.D Contest / FabLab Shibuya	Member / Representative	Mr. Hiroaki Umezawa
Hospitable Corp.	Representative Director	Mr. Ippei Matsukiyo
MAKOTO (General Incorporated Association)	Representative Director	Dr. Tomohiro Takei
minna, Inc.	CEO	Mr. Yusuke Hamano
Mitsui & Co. Global Investment Ltd.	President & CEO	Mr. Tsutomu Yoshida
Mitsubishi Hitachi Power Systems Engineering Co., Ltd	Acting Group Leader	Mr. Hiroyuki Yagita
yoshidasasaki Inc.	Writer	Mr. Natsumi Iwasaki
Nonprofit Organization @Rias NPO Support Center / Q.E.D. Project KAKEHASHI	Staff / Tohoku Branch Chief	Mr. Astutoshi Tanaka
Re:public, Inc.	Managing director	Mr. Hiroshi Tamura
Re:public Inc.	Director	Mr. Takeshi Okahashi
Leave a Nest Co.,Ltd.	Representative Director COO	Mr. Shuichiro Takahashi
Robert Rasmussen and Associates, Japan	Representative director Certified Facilitator, LEGO Serious Play	Mr. Takashi Hasunuma

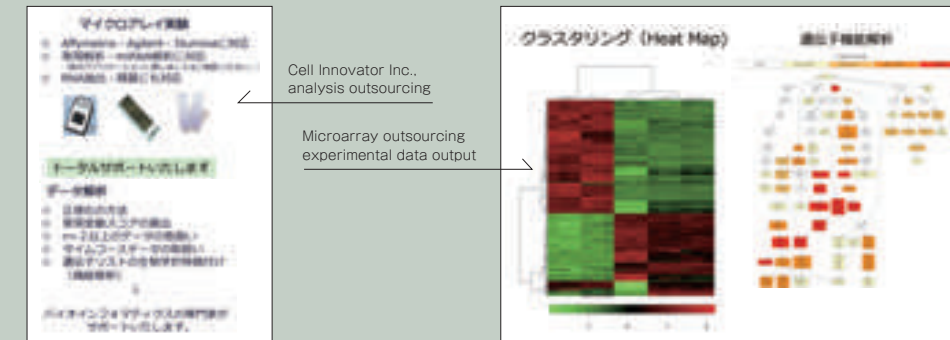
# 15 2014 Incubation (Research and Implementation Support)

First Floor,  
Room #101



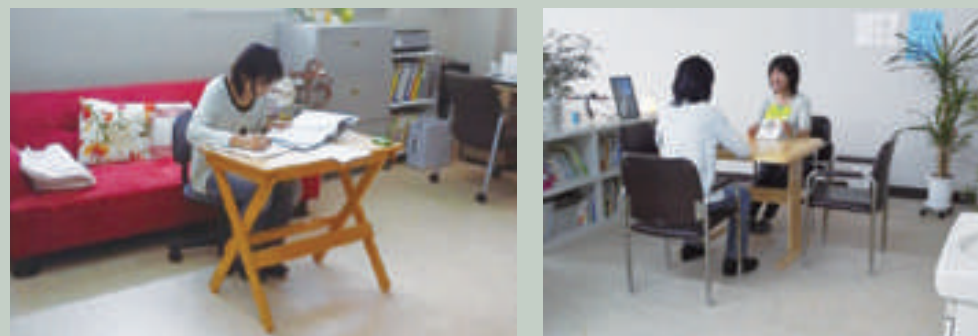
Affiliation/Vice Inc.  
Staff Responsible for Use/Tomotaka Imaji, President  
Project Name/Development and deployment of content and software

Second Floor,  
Room #202



Affiliation/Cell Innovator Inc.  
Staff Responsible for Use/Kaori Yasuda, Representative Director  
Project Name/Research Project Related to Microarray Experimental Methods and Experimental Data Analysis Techniques

First Floor,  
Room #101



Affiliation/Beautiful Sunday LLC  
Staff Responsible for Use/Takako Kitajima, Representative  
Project Name/Counseling Visits

Second Floor,  
Room #204



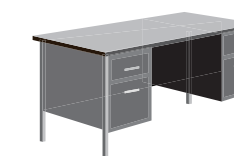
Affiliation/Department of Environmental Medicine, Faculty of Medical Science, Kyushu University  
Staff Responsible for Use/Akiyo Tanaka, Assistant Professor  
Project Name/Development of Evaluation System for Pulmonary Advers Effects of Various Carbon and Metal-Based Nano-Material

First Floor,  
Room #102



Affiliation/Faculty of Sciences Kyushu University  
Staff Responsible for Use/Kaoru Kashima, Associate Professor  
Project Name/An International Community Program Concerning the Hydrological Cycle and Aquatic Environment in Arid Regions as Well as Future Predictions and Countermeasures for These Areas

Incubation





## Silicon Valley Room

Located in Room #201 on the second floor of the Entrepreneurship Center Building, the Silicon Valley Room opened in April of 2011.

It is divided into four rooms, and also features a public space that may be used for meetings and exchanges by students enrolled at Kyushu University who have been selected to participate in C&C and AC, as well as students taking QREC courses.

Most of the wall surface of the Silicon Valley Room is covered with whiteboard, which helps make the space very versatile.

### Public Space [Holds up to about 30 persons]

An exchange space equipped with a shared desktop PC, video conference system, a wireless projector, a mobile whiteboard, a speaker, a Audio Mixer, two microphones (one wireless, one pin type) and a Wi-Fi for guests

### Palo Alto Room [Holds up to about 10 persons]

Meeting room (Priority usage for QREC faculty and staff)

### Mountain View Room [Holds up to about 10 persons]

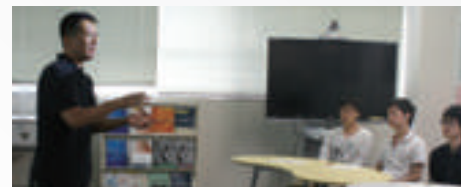
Meeting room (Priority usage for students)

### San Jose Room [Holds up to about 10 persons]

Meeting room (Priority usage for students)

### Each room is equipped with the university's Wi-Fi service, kitenet and edunet.

NOTE:With the temporary removal of the partition dividing the Mountain View and San Jose rooms, these rooms may be combined into one large space.  
NOTE:All of the walls of the room be used as whiteboards



## Sozo Pavilion (Seminar Room / Reading Room)

Kyushu University faculty, staff and students enrolled at the university who are working on their C&C or other projects have access to the seminar and reading rooms located on the 2nd floor of the Sozo Pavilion. These two rooms are utilized chiefly by the C&C examination board, as well as for academic meetings and as a lecture hall. Desks and chairs may be arranged as the participants see fit, so these rooms are ideally suited for group work, workshops, and similar activities.

### Seminar Room [Holds up to about 60 persons]

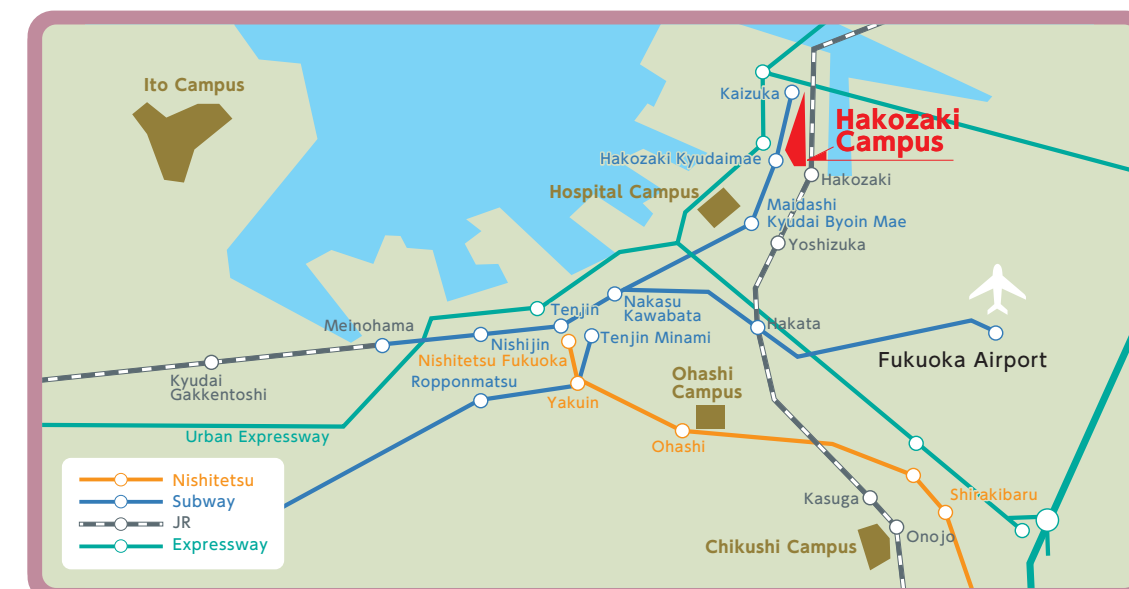
One projector (suspended ceiling type), one PC connection cord, four microphones (two wireless, one desktop type, one pin type), one DVD player (with remote control), one VHS video player (with remote control), whiteboard, video conferencing system, Hard disk picture recording system, spotlight (lighting), four easels with memo pad, a Wi-Fi for guests

### Reading Room [Holds up to about 12 persons]

One projector (suspended ceiling type), one projector remote control, one PC connection cord, whiteboard

### Each room is equipped with the university's Wi-Fi service, kitenet and edunet.

NOTE:Projector screens are available in both rooms.



\*Our center is going to be relocated in September 2015.