

# The Top Global University Project at Keio University in AY 2017

## ■ Project-wide Performance Indicators and Target Goals

### International Initiatives

#### Enhancing Overseas Partnerships

We are working to enhance our partnerships with overseas universities and research institutions centered on the Keio Global Research Institute (KGRI), which was established in November 2016. Keio research teams visit overseas universities and deploy projects such as the “Keio Caravan” in every region of the globe through exchange with counterpart researchers, to build collaborative relationships in education and research. These projects are facilitating steady outcomes, such as the conclusion of a collaborative research agreement with the Einaudi Center for International Studies in Cornell University in March 2018.

#### Opening of International Student Dormitories

In March 2018, two new international student dormitories, the Motosumiyoshi International Dormitory and Tsunashima SST International Dormitory, both located in the vicinities of Hiyoshi Campus, were opened. Both facilities allow students from around the world and from Japan to live together and learn from and interact with one another to hone an international mindset. Between the two dormitories there are a total of 319 single-residency dormitory rooms. One of the dormitories, the Tsunashima SST International Dormitory is located in the next-generation smart town, Tsunashima Sustainable Smart Town (Tsunashima SST). Electricity for the dormitory is supplied by an energy center in the town, and Tsunashima SST is also uniquely characterized by being partially run on solar energy. It is anticipated that the exchange studio in the first-floor town management center will go on to become a base for collaborative research between Keio and Panasonic as well as with the local area. This studio is intended to be a hub for SST experimental facilities which will facilitate cutting-edge demonstration experiments.

With this, Keio University now has a total of 10 student dormitories with an overall capacity of 1,524 residents. There are ongoing plans to strategically maintain and expand Keio University's international dormitories to ensure the seamless hosting of students from countries throughout the world, the numbers of which are increasing year-on-year, and to enhance Keio's global outlook.



Inside the Dormitory

### Governance Reforms

#### The Global Engagement Office

The Keio University Office for the Top Global University Project; the KGRI Office; the Planning Section, Office of the President; and functions for promoting international public relations and global ties have been strategically integrated, and a reorganization to officially institute mutual allocation and sharing of duties has been implemented. This agenda takes in the integration of education, research, and informational content; improving international public relations content; and the enhancement of brand management. Further, the mid-term plan for the 2018 academic year lays out particulars for the planned establishment of the Global Engagement Office (provisional name), which will optimize the effects of this structural reorganization, and encourage closer ties and more flexible administrative responses. Preparations towards implementation of this plan have now begun.

### Academic Reforms

#### Questionnaire Survey on Global Interdisciplinary Courses (GIC)

The Global Interdisciplinary Courses (GIC) has gotten on track and increased its number of registered students since its inception in the 2015 academic year. A questionnaire survey focusing on the approximately 70 core subjects offered as part of the course was conducted this year to mark the three years which have passed since GIC began.

##### Survey Questions

1. Could you understand the English in classes?
2. Were classes in line with your expectations?
3. Was the content of the classes international and transdisciplinary as per the GIC objectives?
4. Would you rate this class as worthwhile overall?

(Answer: 1. Not at all 2. Not particularly 3. Somewhat so 4. Very much so )

Approximately 90% of students surveyed responded with 4. or 3., which indicates a high degree of satisfaction with the classes being deployed. Meanwhile, in terms of class administration, ongoing challenges such as disparities in the levels of participant student English proficiency and the relative English proficiency of educators have also been identified.



GIC class

#### Renewing International EQUIS Accreditation

On June 17, 2017, the Keio University Graduate School of Business Administration was reaccredited under the European Quality Improvement System (EQUIS) as issued by the European Foundation for Management Development (EFMD; headquarters Brussels), a body which evaluates the global quality of management education. This is the second renewal of the accreditation, following the renewal in 2014. Both the EQUIS reaccreditation and accreditation by the Association to Advance Collegiate Schools of Business (AACSB), an American organization for the evaluation of education standards, first granted in 2000 (since renewed), indicate the widespread international recognition for the quality of education and research at KBS, as well as for the activities of faculty members, current students, and alumni.

## ■ University-specific Performance Indicators and Target Goals

### Expansion of the Visiting Research Co-Advisor Scheme

This scheme, which has been in place since the Top Global University Project commenced, this year again successfully invited many researchers from abroad under a cross-appointment system, in the capacity of visiting research co-advisors advising doctoral candidates. While short-term anticipated outcomes include the generation of internationally-visible academic papers, since the 2018 academic year, the call for applications under this scheme has expanded its scope to include implementation of classes and workshops in graduate schools which give consideration to internationalization in the mid- to long-term. This will facilitate master's-level students also having access to tuition by visiting research co-advisors.

## ■ Enhancing Keio's Reputation Abroad

### Global Dissemination of Information by KGRI (Research PR)

New international public relations projects have been initiated by the Keio Global Research Institute (KGRI) to provide the infrastructure for renewed progress facilitated by internationalization of the university's activities and to allow Keio to become a research university capable of contributing globally. One of these projects is called Research Frontiers. Research Frontiers introduces video clips in which researchers give simple summaries in their own words of the latest research papers which have been released into the world, in order to facilitate deeper understanding of the research and researchers. Subsequently, by directly targeting this information to the media, journalists, and researchers in every region of the world, rather than only putting it on the web, we have begun to see its inclusion on a myriad of news sites, with enquiries also now beginning to be fielded from overseas.



Research Frontiers

### Transfer of APRU-Aging Research Hub Functions

Jurisdiction for the Population Aging Program (PAP) of the Association of Pacific Rim Universities (APRU) has now been transferred from the University of New South Wales (UNSW) to Keio University. Research relating to longevity is currently being promoted as part of the university's Longevity Initiative towards the solution of challenges associated with a super-aging society, with which society is now directly confronted. This research ties together various fields including medicine, economics, and engineering. APRU implement programs which leverage the collective research capacities of member schools, under respective themes to contribute solutions to the challenges of the pan-Pacific region. PAP, which is one of these programs, concluded its 1st phase of 2015-2017, with UNSW as its research hub. Further expansion and development which succeeds and builds upon the research foundation laid down by UNSW will be pursued, with the aim of enhancing networks for research on aging societies and realizing research outcomes which have a societal impact, centered on the Graduate School of Medicine and KGRI.

### Asia's Sole IBM Q Network Hub

An IBM Q Network Hub was established as a center for cutting-edge quantum computer research within the Quantum Computing Center at the Faculty of Science and Technology at Yagami Campus. IBM Q is a cutting-edge quantum computer for general use developed at IBM (United States), and this will become the sole hub in Asia enabled to use IBM Q's cloud computing system. The hub will contribute alongside four corporate members to quantum computer studies, skill development, and implementation, with the aim of facilitating advances in quantum computing. Keio University, with developers from participating corporations, will access the 20-quantum-bit commercial IBM Q quantum computing system equipped at the New York State hub through the cloud, and thus promote development of quantum applications in close cooperation with educators, researchers, and students.



Common Room of the IBM Q Network Hub

## Outcomes of Partnerships with Universities Overseas

In the past academic year, Keio University added one new double degree program to bring the total number to 29; 22 new universities with agreement on academic linkage and collaboration to bring the total to 345; and four new overseas research hubs to bring the total number to 24. Research teams from Keio have been placed at universities overseas, and outcomes from the activities of the Keio Caravan, which were anticipated to deepen exchange among fellow researchers and facilitate systematic joint international research, are coming to fruition. Meanwhile, research teams from overseas have also been hosted at Keio and activities intended to encourage exchange with our researchers implemented. In February 2018, a Japanese art research team from the University of Vienna was hosted and the relationships among researchers deepened, by means of an international symposium and other endeavors, with discussions also conducted on potential future joint research and double degrees. We are steadily enhancing ties with universities overseas through these kinds of activities.

## ■ Other Activities

### Holding of International Cybersecurity Symposium "Cyber3 Conference Tokyo 2017"

This symposium, jointly hosted by Nikkei Inc., Nikkei Business Publications, the Cyber Security Research Center at Keio University, and other entities, saw many lectures, panel discussions, and workshops with various themes. These included: "Next Generation Security Operation Center for the AI Era"; "Leadership for Cybersecurity Management"; and "Roles and Responsibilities of the Government and Private Sectors." A signing ceremony was also held at the opening of the symposium proceedings for an academic partnership agreement with the Georgia Institute of Technology as part of the activities of INCS-CoE. Lively industry-government-academia exchanges, bringing together governmental actors and prominent experts in the cybersecurity field and delegates from universities participating in INCS-CoE from Japan and overseas, were seen at the venue.



During the symposium