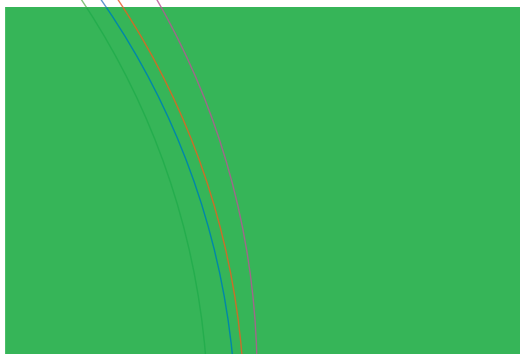


SDMI

System Design and Management

Graduate School of System Design and
Management, Keio University



Learn System Design and Management in English While Being in Japan

—A Gateway to New Perspectives and Distinct Careers





Broaden Your Horizons with World-Class, Cutting-Edge Knowledge

The Graduate School of System Design and Management at Keio University (Keio SDM) pursues problem solving with a “systems” approach by capitalizing on a broad range of perspectives from the natural sciences as well as from the humanities and social sciences. Mid way between downtown Tokyo and Yokohama close to both by train, Keio SDM enables students to learn the world’s leading systems engineering and design thinking in both Japanese and English.

Keio SDM has a diverse student population made up of various backgrounds, age-groups, and nationalities. Not all students have a background in natural sciences and engineering; and many are professionals who are working in Japanese enterprises and government organizations. At Keio SDM students have ample opportunities to broaden their views by studying alongside these individuals as they encounter diverse values and ways of thinking.

About Keio University

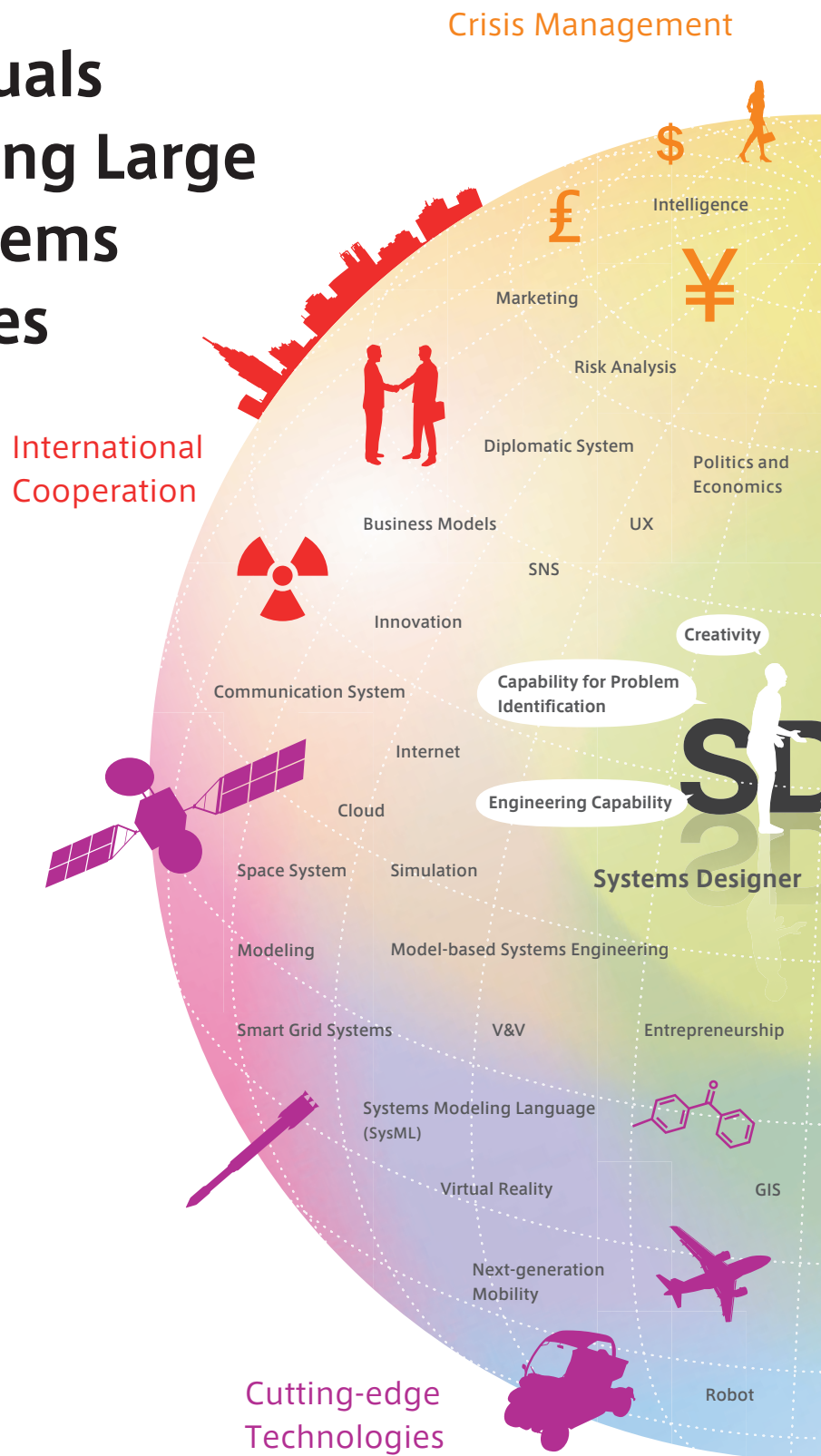
Keio University is among the most prestigious private universities in Japan. It was founded in 1858 by Yukichi Fukuzawa, a leader of modern Japan who is also known as the man portrayed on Japan’s 10,000-yen note. Many Keio alumni are successfully leading in a wide range of fields, including business, technologies, politics, and education. Being a Keio graduate is perceived as prestigious in Japan.

Nurturing Individuals Capable of Handling Large and Complex Systems beyond Boundaries

Learn Systems Engineering and Design Thinking

Keio SDM deals with a multiplicity of large and complex systems. As we seek solutions, we make sure to consider social needs, such as environmental symbiosis, safety and security, cutting-edge technologies, international cooperation, and crisis management.

Two pillars of problem solving methods are employed at Keio SDM. One is systems engineering, which was developed initially for the purpose of designing large systems, including aerospace and military systems. Now it has been extended to include the social sphere. Keio SDM is the only Japanese university participating in the Council of Engineering Systems Universities (CESUN). Students can learn all about systems engineering from the basics to the cutting-edge at Keio SDM.





The second pillar is known as design thinking. It is a development method which uses techniques, such as fieldwork, brainstorming, and workshops, to generate ideas. Its aim is innovation through drawing out the creativity of participants.

With systems engineering alone, it is difficult to accommodate different perspectives of multiple stakeholders for the purpose of innovation. Design thinking, on the other hand, tends to be weak at taking a systematic approach to the shaping of ideas. Keio SDM has successfully created a development method which combines the two in a complementary way. At Keio SDM students learn how to create an optimal fusion of systems engineering and design thinking. This equips them with the capability of tackling large and complex systems.

Developing a Wealth of Skills

Keio SDM nurtures future systems designers and project managers who are capable of designing and managing multiple systems. One needs to have a diverse set of skills in order to coordinate with multiple stakeholders for the purpose of creating systems. Keio SDM offers a range of programs to produce individuals with a wide spectrum of skills and abilities.

Knowledge and Experience

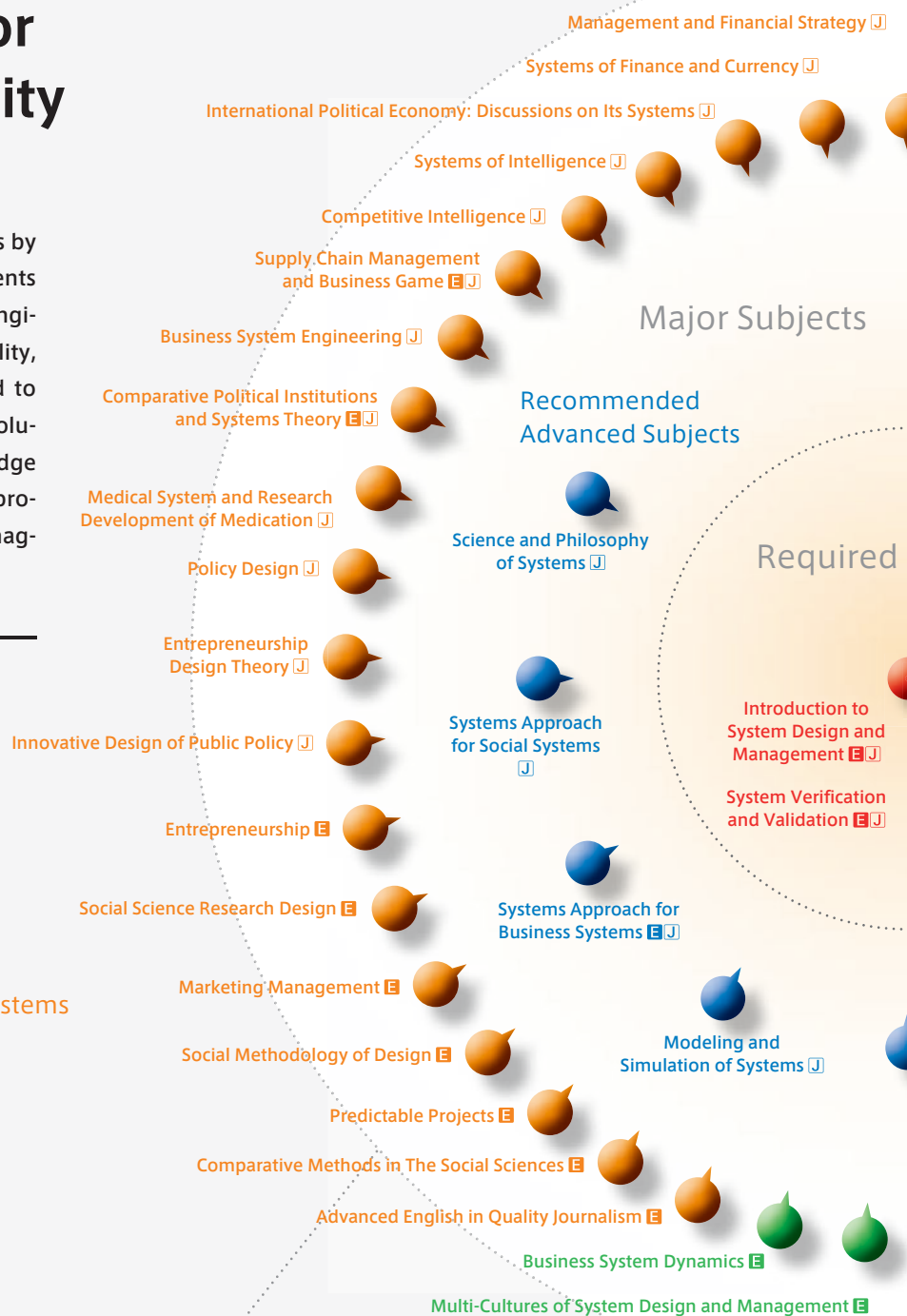
—Both Essential for Developing Capability

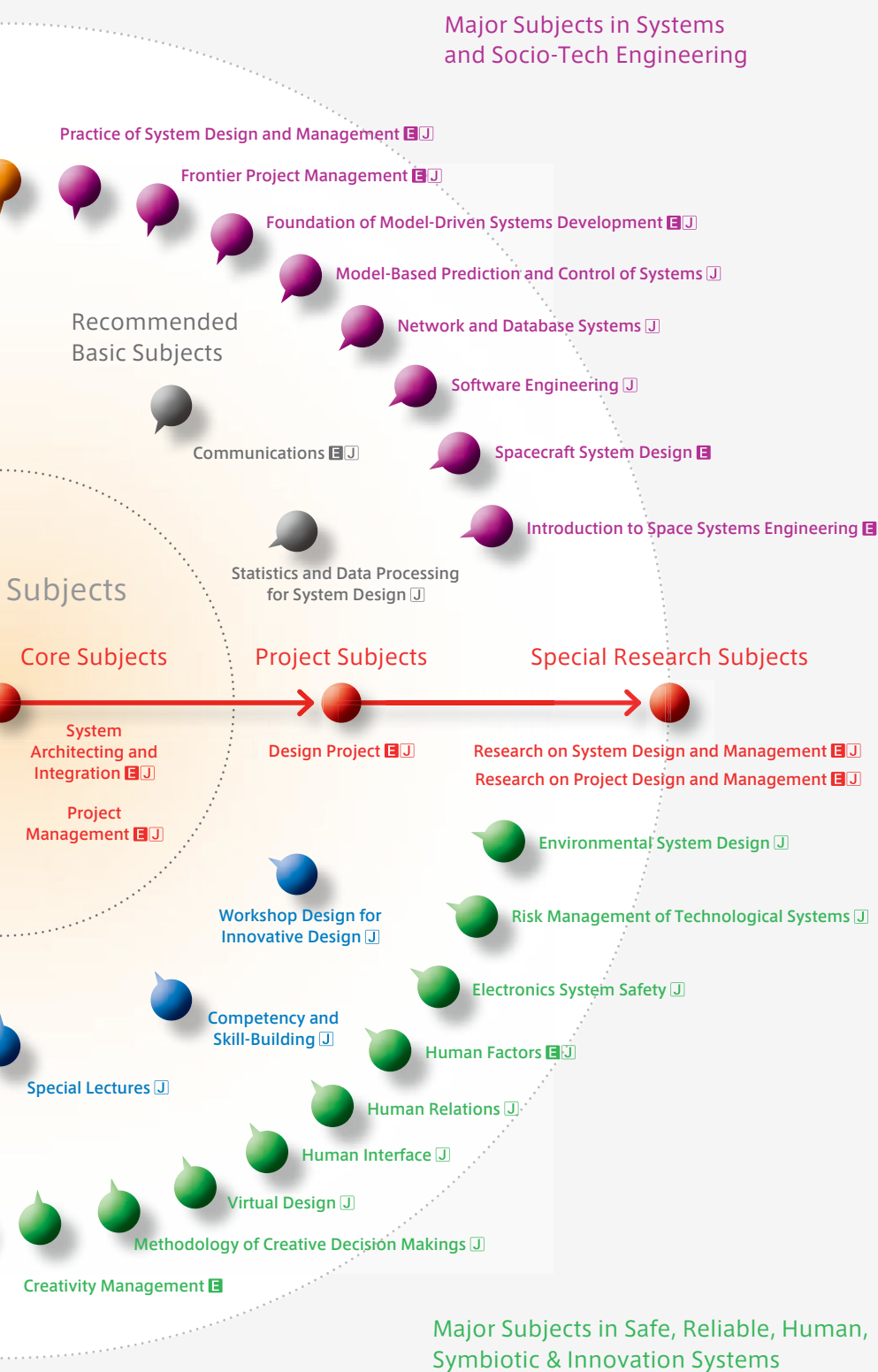
Our curriculum aims to build collective strengths by combining knowledge with experience. Students first gain knowledge from lectures on systems engineering, design thinking, management capability, and specialized subjects. They are then invited to work on real-life projects and explore practical solutions. With our approach of combining knowledge with experience, students grow into integrated professionals who are capable of building and managing systems with precision.

Major Subjects in Political, Economic and Business Systems

Classes Offered in the Master's Course

E Classes offered in English
J Classes offered in Japanese





Students in the master course learn the basics of systems engineering through the mandatory core subjects. Additionally they take specialized subjects covering specific fields and recommended advanced subjects covering multidisciplinary topics according to their interests. By creatively combining these subjects, students can broaden their knowledge towards a wide spectrum of subjects.

Classes are offered in Japanese and/or English. It is possible to complete the master course by selecting only classes in English. Core subjects are offered both in Japanese and English; Japanese classes normally begin in April while English classes begin in September.

It takes practical experience to effectively design and manage real-world systems. Students in the first year master course learn design thinking and work on real-life issues in the Design Project. They then proceed to practical research in special research subjects; and the results are compiled in their theses. At Keio SDM we set high standards for masters research.

The doctoral program offers more specialized research opportunities. Doctoral students can take masters classes according to their interests. Quite a few of those theses end up presenting at international conferences.

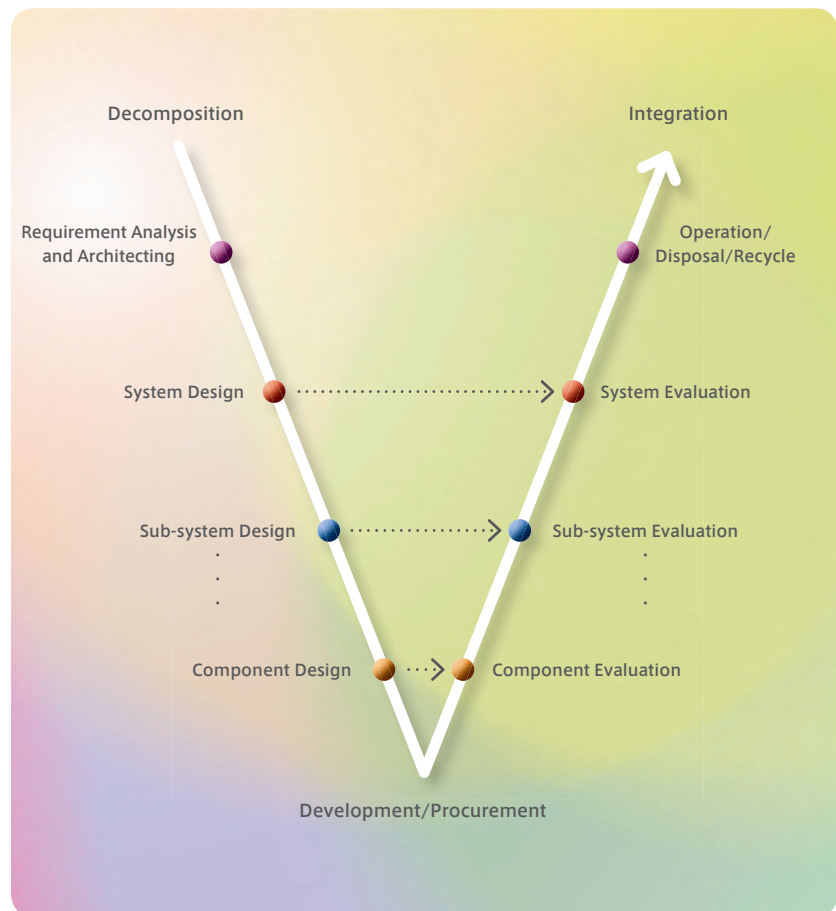
Linking Knowledge

Students in the master course first learn the basics of systems engineering and other fundamental skills necessary to deal with systems. Building on this, they acquire knowledge about systems of various fields in specialized subjects. Additionally they learn design thinking in the Design Project.

Students first learn the V-model, an important concept of systems engineering.

The V-model structures systems by decomposing requirements and integrating parts and their validation. This model can be used as a broad framework to capture how the entire process relates to each specific part. One can apply the model to system development of various fields, including those which are scientific and technical, social, and human.

Building on basic knowledge of the V-model, students take a variety of specialized subjects. Students can learn in a systematic and structured manner by using the model as a common framework, linking a broad spectrum of knowledge.



At Keio SDM we use the V-model to decompose, integrate, design, and evaluate by precisely defining the diverse requirements of the stakeholders, by sharing information, and by creating complete pictures of systems.

Intensive Lectures in English

Keio SDM's strength is not only that the curriculum can be completed solely in English. A series of intensive lectures are offered in English by the world's leading professionals and researchers from different fields.

This international learning environment as such makes Keio SDM an ideal environment for the growth of globally-minded professionals who are capable of accommodating different cultural perspectives.

List of Past Intensive Lectures (with titles as they were at the time)

"System Architecture and Integration"

Prof. Rashmi Jain (National University of Singapore)

"Supply Chain Management and Business Games"

Prof. Paul Schoensleben (ETH, Switzerland)

"Collective Dynamics of Firms"

Prof. Dr. Frank Schweitzer (ETH, Switzerland)

"Technical Entrepreneurship & Management"

Prof. Duncan Moore (University of Rochester, US)

"Risk Management"

Prof. Gilles Motet (INSA, France)

"Space Applications"

Prof. Dipl.-Ing. Heinz Stoewer (President Space Associates GmbH, Germany)

"Stanford Center for Design Research Workshops"

Dr. Larry Leifer (Stanford University, US)

"Object-Process Methodology (OPM) with Application to Systems Engineering"

Prof. Dov Dori (MIT, US)

From Basics to Application —the Design Project



The Design Project aims to propose innovative systems by using the system design and management method developed collectively by Keio University, MIT, Stanford University, Delft University of Technology, and the University of Adelaide. In the Design Project students put systems engineering into practice while learning about design thinking.

In the Design Project students begin with the basics and then move on to practical learning. After taking a number of lectures taught by guest lectur-

ers from partner universities overseas, students work in groups to work on themes proposed by various organizations. The proposers often include leading Japanese companies; and international students have a great opportunity to get acquainted with the unique characteristics, strengths, and cultures of Japanese enterprises.

Examples of Solutions Derived by Students with the Theme "Safety and Security"

"Building New Brand Image of Safety and Security Using Positive Cycle Business Model"

Proposer company: Adidas

"Portable Multi Energy Backpack System for Refrigerating Vaccines"

Proposer company: Kokusai Kogyo group
Infrastructure Innovation Institute, Inc.

"Safe and Secure Solar Power Generation in Japan - Dual Mode Solar Panel System: Proof of Concept"

Proposer company: Delft University of Technology

"Safety Premium Point System"

Proposer company: Suzuki Motor Corporation

"Design of Bicycle Simulator to Reduce the Risks of Traffic Accidents"

Proposer company: Toshiba System Technology

Learning by Doing

—Experiential Learning

Keio SDM emphasize the importance of hands-on experience.

Students are encouraged not only to gain textbook knowledge about systems but also to experience real-life situations, to clearly articulate issues, and to come up with innovative, feasible solutions.

It is when one is actually seeking solutions to complex systems that most discoveries and realizations come.

We believe in experiential learning, that one learns most by doing.

Insight into the “On-Site” Realities of Japan



Keio SDM has strong ties with private companies. This means our students have the privilege to observe “on-site” scenes of Japanese companies through various opportunities.

For example, we arrange visits to distinctive factories as a part of the curriculum. In the Design Project students have the opportunity to visit the workplaces of proposing companies and work collaboratively with their staff members. Furthermore, Keio SDM has a great number of on-going joint research projects with private compa-

nies, facilitating students to have close and frequent communication with the companies. Many faculty members of Keio SDM come from private firms; and some internship opportunities can be facilitated for our students by virtue of their strong connections with the companies.

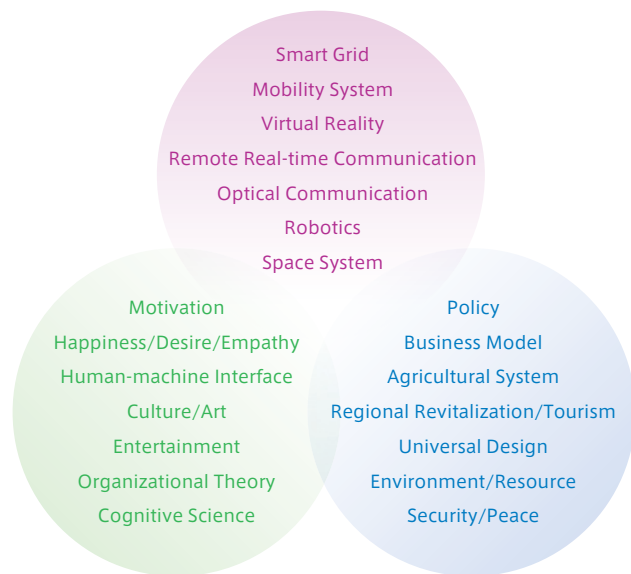
Keio SDM offers its students valuable opportunities to engage with Japanese companies, providing opportunities to gain insight into the secret of their strength and the “on-site” realities.



Laboratory Participation and Thesis Writing The Special Research Subject

The master course centers around the Special Research Subject. Students select a specific system and take part in a relevant laboratory. Their research results are compiled into their masters theses. As in the case of the doctoral course, students establish their own themes and conduct extensive research. Research experience helps students deepen their knowledge, equipping them with skills that can be used immediately upon graduation in their work of research and/or development.

Examples of Technical System Research



Examples of Human Systems

Examples of Social System Research

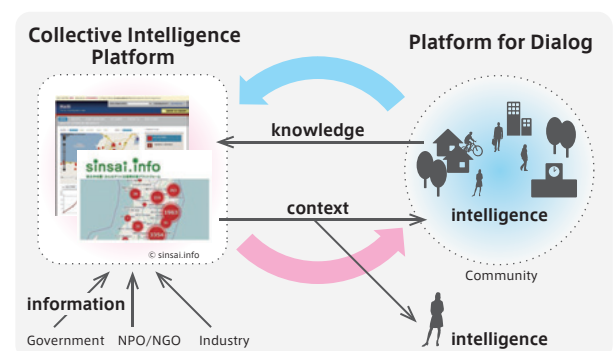
Study Case

Portfolio Optimization for Environmentally-Conscious Automobiles

Many environmentally-conscious automobiles are being developed and sold, such as the ones based on electric, fuel cell, natural gas, and gasoline-electric hybrid technologies. We use the system approach (simulation and system optimization) to study portfolio maximization—analyzing which type of automobile should be brought to the mainstream given the various constraints, such as those related to environment, energy, resources, aging population, and development in emerging nations.



Resilient Community Design: Knowledge Creation for Safety and Security



Communication Design Process: Knowledge Creation for Safety and Security

Organizational Management —Establishing Culture and Safety Consciousness within Companies

We conduct research into ways in which companies can develop a positive culture and work atmosphere in which staff members feel motivated and rewarded. Our research also asks questions concerning how to establish excellent companies with a high level of safety consciousness, risk management, and profitability. We study companies' strategies that enable effective management—creative ways to motivate employees while nurturing teamwork and good communication within an organization.



Disaster-Prevention Message Delivery Service



At Keio SDM we use smart systems, such as IT systems and space systems, in order to create socio-technical services and their processes. In search for resilient community design process, we do research on a disaster-prevention message delivery service using a satellite and GPS receivers. We study a distributed autonomous cooperative community design process that is resilient and based on the fusion of two platforms: dialogue and IT.

Keio SDM offers everything you need to challenge

From Basic to Cutting-Edge

Keio SDM is an ideal place for international candidates interested in system design and management.

Students can acquire a solid knowledge of systems engineering either in Japanese or English. We have high standards for our research; and we collaborate with the world's leading universities, including MIT, Stanford University, Delft University of Technology, and the University of Adelaide, for research on systems engineering.

At Keio SDM there is an on-going effort to blend systems engineering and design thinking. Traditionally, systems engineering has been perceived as antithetical to design thinking. This is because the former “creates” systematically according to requirements set by clients, whereas the latter “seeks” new solutions beyond all past approaches. The various requirements of stakeholders pertain to large and complex systems. By applying the method of design thinking to systems engineering at the stage of requirements analysis, we seek solutions to problems associated with complicated systems. We take pride in our internationally-advanced approach to “systems of systems” which involves multiple systems.

The School's faculty has diverse areas of specialization. We have a spirited modeling language researcher, a leading authority of organizational safety

culture, a business engineering researcher with global networks, a professional who analyzes foreign policies and intelligence from the system's perspective, and many more. At Keio SDM you will be able to explore and learn from diverse areas of specialties.

Understanding Diversity Leads You to Promising Career

One of the advantages of studying at Keio SDM is that you will be exposed to the art of manufacturing and the flow of decision-making of Japanese enterprises, both of which are often quite different from those found in the West. At Keio SDM you can learn both the Western and Japanese development processes. The former is typically top-down while the latter is based on consensus, such as the one observed in the development of Toyota's Prius. Interestingly, in group-work situations Japanese students tend to continue discussing a matter until every member of the group is in agreement. Such scenes may seem frustrating for many students from Western countries because such decision making takes a great deal of time. One must note, however, that the enduring consensus-building as such forms the backbone of the art of Japanese manufacturing, well known for its sophistication. Japanese-style consensus-building places an importance on maintaining a balance among the

different stakeholders; and at times it works quite effectively when seeking solutions to problems associated with multiple systems.

Understanding different values and cultural characteristics is advantageous to developing a distinctive career in this international world. Globalization requires countries and cultures of different backgrounds and values to come closer and meld harmoniously. It is extremely useful to have the experience of studying in a completely foreign context if you would like to become an international leader in this global world.

Keio SDM is endowed with students of diverse nationalities, ages, and specializations. Many of our students have either worked in the past or currently are working professionals. Students have various backgrounds and talents. For example, we have a violinist as well as a business manager of a company which is listed in the first section of the Stock Exchange. We are proud to see our students of various backgrounds gather together and work collaboratively towards the same goal: seeking solutions to problems concerning large and complex systems.

Place to Transform & Improve Yourself

Keio SDM is the right place if you are interested in taking a panoramic view of things. Solving problems associ-

large and complex systems in a global society.

ated with large and complex systems requires maintaining a comprehensive view while looking at each part. At times having a comprehensive vision leads to the discovery of new perspectives that are not easily seen by the parties, such as clients, who are directly involved. The ability to maintain a panoramic view and to embrace

diverse values and cultures are the ingredients essential for developing a solid career in this increasingly globalized world. For those who want to grow in such a way, Keio SDM is the right place. We welcome candidates who are eager to transform and improve themselves by gaining new perspectives.

Takashi Maeno
Dean
Graduate School of System Design
and Management



Diverse Careers and Fields of Research Create New Challenges

Supervising Professors



Takashi Maeno
Dean, Professor

Worked: Canon Inc., the University of California, Berkeley, Harvard University, and the Faculty of Science and Technology of Keio University

Research and education interests: Human-machine system design, social system design, systems thinking, and systems philosophy



Shinichiro Haruyama
Professor

Worked: AT&T Bell Laboratories, Sony Computer Science Laboratories, Inc., the Faculty of Science and Technology of Keio University

Research and education interests: Total design of information and communication systems for ubiquitous society and entrepreneurship



Ken L. V. Hijino
Associate Professor

Financial Times Tokyo correspondent, former guest researcher at Osaka City University, Swedish national

Research and education interests: Comparative political institutions, party organization theory, comparative systems of local politics and local democracy



Naohiko Kohtake
Associate Professor

Worked: Japan Aerospace Exploration Agency (JAXA), European Space Agency (ESA)

Research and education interests: Design and management for space system, cyber-physical system, disaster management system, and socio-technical system



Masaru Nakano
Professor

Worked: Toyota Central R&D Labs., Inc.

Research and education interests: Business engineering, sustainable manufacturing, smart city and urban mobility system, and global and green supply chain



Hidekazu Nishimura
Professor

Research and education interests: Safety control systems design for mobility and products, model-driven systems development, and system dynamics



Tetsuro Ogi
Professor

Worked: Mitsubishi Research Institute, Inc., Tokyo University, Tsukuba University

Research and education interests: Human interface, virtual reality, visual data mining tele-immersive communication, and visual simulation



Shoichi Sasaki
Professor

Worked: Toyota Motor Corporation

Research and education interests: Design of environment and symbiotic-systems such as vehicles & transportation systems, energy systems, and agriculture as a social system



Seiko Shirasaka
Associate Professor

Worked: Mitsubishi Electric Corporation

Research and education interests: Space systems engineering, system development methodology, and system safety



Kenichi Takano
Professor

Former senior scientist at Central Research Institute of Electric Power Industry (CRIEPI)

Research and education interests: Risk management and human factors in large scale technology systems



Ryuichi Teshima
Professor

Journalist, Former Chief of U.S. Washington Bureau, Japan Broadcasting Corporation (NHK)

Research and education interests: Intelligence and crisis management of vast and complex systems, foreign and security strategy



Tetsuya Toma
Associate Professor

Former Advanced Product Development Specialist at 3M Company

Research and education interests: Advanced communication system development and market-creating for broadband society

The backgrounds of Keio SDM's faculty vary from industrial experience to active careers in the international arena. Their career paths and research areas are so diverse that new research ideas and activities are being generated every day at Keio SDM through borderless intellectual interactions.

Advisors, Project Professors, and Visiting Professors



Yoshiaki Ohkami
Executive Advisor of SDM Research Institute

Areas of expertise: Design and management of large scale space system, strategic systems engineering



Taketoshi Hibiya
Executive Advisor of SDM Research Institute

Areas of expertise: Large scale systems engineering (basic science)



Dick Greene
Project Professor

Areas of expertise: Fractal concept models, social automata, functions of all arts/designs, social indexing levels, etc.



Nobuaki Minato
Project Associate Professor

Areas of expertise: Sustainable business system design, model-based decision making and management, product differentiation design and marketing, etc.



Laurent Balmelli
Visiting Professor, Keio University

He is a former manager at IBM in charge of architecting the new generation of offerings and tools for Systems Engineering and Product Development. Since 2003, He has represented IBM within the SysML standard team and is one of the lead authors of the SysML language specification.



Olivier L. de Weck
Associate Professor, Aeronautics and Astronautics and Engineering Systems, MIT

He is a leader in systems engineering research. He focuses on how complex man-made systems such as aircraft, spacecraft, automobiles, printers and critical infrastructures are designed and how they evolve over time.



Duncan Moore
Professor and Vice Provost for Entrepreneurship, the University of Rochester

His major areas of research are in gradient-index materials, computer-aided design, the manufacture of optical systems, and medical optics. At Keio SDM he teaches Technical Entrepreneurship.



Kurt Beiter
Acting Associate Professor, School of Engineering, Stanford University

At Keio SDM he teaches a number of systematic methods through lectures and practical sessions in the Design Project, one of the required subjects.



Gerard Dijkema
Associate Professor, Delft University of Technology

Having adopted the theme 'Innovation for Sustainability', in education and research he focuses on the understanding, development and transition of large-scale systems, networks that span industry and infrastructures such as the Rotterdam-Rijnmond area.



Paul Schoensleben
Professor, Swiss Federal Institute of Technology Zurich

His research and teaching areas are logistics, operations and supply chain management, global service management and service innovation. These areas also include information management, TQM and process management.



Ockie Bosch
Professor, Systems Design & Complexity Management, the University of Adelaide

He specializes in the area of systems dedicated to sustainable development and elaborates information systems, mechanisms for knowledge dissemination, collaborative learning and processes for linking science with management and policy making.



Rashmi Jain
Associate Professor, National University of Singapore

Her areas of expertise are systems engineering and integration, service operations management, and systems architecture and design. She has extensive experience of teaching graduate students and senior executives both in the U.S. and overseas at businesses and institutions.



Heinz Stoewer
He is a founder/president of Space Associates GmbH, an international network based company with focus upon space, systems engineering, project management and education activities. He is a member governing boards of the OHB AG, the third largest European Space Prime Contractor, and of the Space Research Organization (SRON), Netherlands.

Open-Minded Students with Spirit of Solidarity

Current student (masters course)

John Tainton

Admitted in Fall 2011

Graduated from the Department of Systems & Industrial Engineering, University of Pretoria in November 2008

Previous employment: overseas subsidiary of an automobile manufacturer



I chose Keio SDM because I wanted to deepen my knowledge of systems engineering; at the same time I was interested in learning designs and creativity in addition to management. I think that creativity requires us to look at things from multiple dimensions and to integrate the pieces. South Africa and Japan have completely different cultures and ways of thinking. For example, work and personal life are not mixed up in South Africa; whereas in Japan the lines between work and private life blur.

Focusing on such differences, we may be able to generate innovative ideas for human development and marketing activities.

Students are all open-minded and willing to help one another at Keio SDM. At first I felt nervous because of my limited Japanese language skills. In the “Big Room” where students gather, however, I feel free to talk to my peers just about anything without hesitation. This helps me relax and enjoy the studying abroad experience at Keio SDM.

I like the cross-cutting approach of Keio SDM.

I chose Keio SDM because I was interested in the automobile industry and looking for a Japanese graduate school which offers a relevant course in English.

I am satisfied with the number of classes that Keio SDM offers in English. I also like its concept of learning more than engineering. At Keio SDM we cover a wide range of subjects, such as design, business, economics, and policies. The curriculum is designed in such a way that we get our hands on real projects after going through

theories. I find this to be highly effective. I feel encouraged to be creative as students here are eager to work together and take pleasure in meeting new cultures and individuals of different backgrounds.

I spend weekends doing a variety of things, including going to parties, attending concerts, and visiting design exhibitions. Something exciting is always happening in Tokyo; it's never a bore. I feel that Tokyo has countless possibilities to offer.

Message from and Former



Current student (masters course)

Kamila Romejko

Admitted in Fall 2012

Completed masters in International Economic Relations at Warsaw School of Economics in March 2012



Alumina
Ming Li

Admitted in Spring 2008, completed in March 2010
Graduated from the Faculty of Economics, Liaoning University, in July 2003
Current Employment: Sumitomo 3M Ltd.

Place to Build Foundation for Your Future

I used to work for an electronic manufacturer which I joined upon graduation from Liaoning University in China. At Keio SDM students decide on their research themes and methods. This means students are expected to have high level of personal initiative; yet I recall the faculty was always there to give us the appropriate guidance and support we needed.

At my current company I am in charge of purchasing materials. Whenever I face a problem that appears big, I use the V-model to decompose it into

pieces. This way it becomes easier to find a way to correctly respond to the problem. Similarly, when I negotiate with suppliers, the communication method that I learned at Keio SDM, such as the patterns and flows of thinking, comes in handy.

I believe that Keio SDM is a place to establish your foundation for the future. What you gain at Keio SDM—the perspectives, the ways of thinking, and the knowledge—will be the foundation for your future career in the international arena.

m Current Students

I began to see the network that connects pieces of knowledge.

Keio SDM covers a wide range of fields. At first I was too busy keeping up with the curriculum. As I studied more about systems, I began to see a commonality and network that connects various pieces of knowledge. The pieces continued connecting with one another in my head. It was a breakthrough; and I truly enjoyed it. Keio SDM offers many opportunities to study abroad. I studied at a specialized graduate school in Paris and learned a great deal not only from the research but also from the experience of fac-

ing the different ways of thinking between France and Japan.

Currently at MLIT I am engaged in the reconstruction of the areas affected by the Great East Japan Earthquake. The reconstruction involves complex and large-scale systems; and now is the time to put into practice what I learned at Keio SDM. I do not know how many decades the reconstruction will take; but I know that I will dedicate my entire career to this challenging yet significant work.



Alumnus
Soichiro Takamine

Admitted in Fall 2008, completed in September 2010
Graduated from the Faculty of Agriculture, Tokyo University of Agriculture and Technology in March 1999
Current Employment: Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japan

Frequently Asked Questions

What kind of scholarships do you have?

There are a number of scholarships for international students, such as Keio “Design the Future” Award for International Students, as well as different scholarships provided by Keio University, Japan Student Services Organization (JASSO), the government of Japan, and other private foundations. All scholarships aim to enable personally and academically outstanding students in need of financial assistance to continue and focus on their studies and research. Most of the scholarships are targeted towards regular students who are on a student visa and studying at their own expense. Please follow the link below for more information regarding scholarships.

www.ic.keio.ac.jp/en/life/scholarship/outline.html

I do not speak Japanese. Can I still be admitted?

The answer is yes, you can still be admitted to Keio SDM even if you do not speak Japanese. We give entrance examinations in English; and students can choose to complete the course using only English. Having recognized the importance of internationally competent staff from the very beginning of its establishment, Keio SDM has administrative staff members who can assist in multiple languages. As for the faculty, those who have been educated and/or trained overseas and have sufficient language abilities are assigned to assist international students. If you wish, you can learn basic Japanese by taking Japanese classes. The university has well-established Japanese language education which began in the 1950s.

I cannot come to Japan for the entrance examination.



You can send your application documents by post regardless of whether you reside inside or outside of Japan. You will be called for an interview if you pass the document review. There is no need to come to Japan for an interview as we can conduct it online, using technologies such as Skype™, for those who reside outside of Japan. Please refer to our examination literature for more details.

www.sdm.keio.ac.jp/en/pdf/sdm_guide_lines_en.pdf

Please see below for more information.

www.global.keio.ac.jp/en/
www.global.keio.ac.jp/en/whychoosekeio/



Can I get help with accommodations?

Keio University has a number of reasonable accommodations for international students. In the vicinity of Hiyoshi Campus, where Keio SDM is located, there are a number of dormitories with easy access to the campus, such as Shimoda Student Village (designed for international students), dormitories for both Japanese and international students. Each dormitory has Japanese residence assistants who facilitate interactions among students and provide daily life support especially for international students.

For international students who wish to rent apartments privately, the university can introduce real-estate agents who can provide services in English. We also have an insurance scheme whereby the university acts as the guarantor.

www.ic.keio.ac.jp/en/life/housing/ryu_boshu.html



What kind of future careers do international students have after Keio SDM?

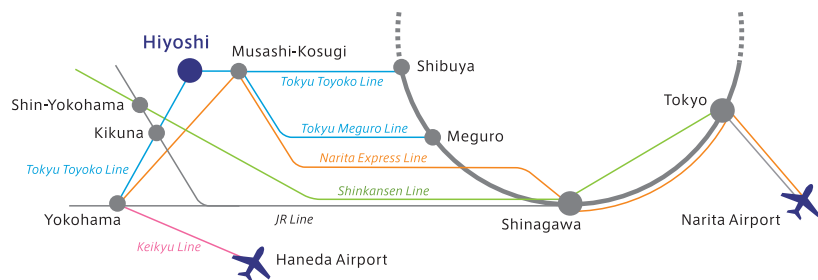
International students take on a variety of career paths after Keio SDM; some join Japanese companies; some return to their countries to work; and others go on to further education.

Almost half of our Japanese students are company employees, and many of the faculty members come from private firms. As a student you also have ample opportunities to connect with companies through the Design Project and other research work. Many international students have made use of these opportunities to get jobs with Japanese companies. Because Keio SDM graduates are internationally-minded and capable of navigating in different cultures, many also find opportunities within international enterprises.

Many alumni are now playing active roles in various fields and industries. The network you will encounter by studying at Keio SDM will be an asset to your future business and career. We have seen new business started up through participation in our network.

Do you have affiliated schools? What kind of arrangements do you have with these schools?

Keio SDM has collaborated with Massachusetts Institute of Technology (U.S.), Stanford University (U.S.), Delft University of Technology (the Netherlands), and the University of Adelaide (Australia) to develop an educational method for design projects. At Keio SDM we are putting this into practice in one of the subjects, the “Design Project”, thereby continuing to improve upon the educational method. We also have international exchange programs. The partner schools include: MIT, Stanford, Delft University of Technology, the University of Adelaide, National Institute of Applied Sciences Toulouse (France), the Politecnico di Milano (Italy), Swiss Federal Institute of Technology Zurich (Switzerland), and Purdue University (U.S.). Every year a number of students come from these schools to study at Keio SDM.



Access: A one-minute walk from Hiyoshi Station

(Tokyu Toyoko Line, Tokyu Meguro Line, or Yokohama Municipal Subway Green Line)

- 18 minutes by express train from Shibuya station to Hiyoshi Station (16 minutes by commuter limited express)
- 12 minutes by express train from Yokohama station to Hiyoshi station (10 minutes by commuter limited express)
- 14 minutes by train from Shin-Yokohama station to Hiyoshi station via Kikuna station
- Limited express trains on the Tokyu Toyoko Line do not stop at Hiyoshi Station.



**Graduate School of System Design and Management
Keio University**

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www.sdm.keio.ac.jp/en

Master's and Doctoral Programs	Enrollment	Degrees conferred
System Design and Management	Master's students: 77	Master of System Engineering / Master of System Design and Management
	Doctoral students: 11	Ph.D. in System Engineering / Ph.D. in System Design and Management

Tuition fees in Academic Year 2013	Master's program	Doctoral program
Students enrolled in April 2013	¥2,082,600 (for Spring and Fall Semesters 2013)	¥1,332,600 (for Spring and Fall Semesters 2013)
Students enrolled in September 2013	¥1,141,350 (for only Fall Semester 2013)	¥766,350 (for only Fall Semester 2013)

Tuition fees should be paid for the full academic year.
Those who enrolled in September pay for only the Fall semester.
The tuition fees for 2014 shown above are subject to change.

Financial Aid

Financial Aid (Scholarship) for International Students

There are a number of scholarship programs available. Most scholarships can be applied for after enrollment, but there are some that can be applied for before enrollment, such as "the Keio Design the Future Award for International Students" and "Monbukagakusho Scholarship."

Keio University International Center Scholarship Information

<http://www.ic.keio.ac.jp/en/life/scholarship/outline.html>
http://www.ic.keio.ac.jp/intl_student/scholarship/application_info.html

JASSO (Japan Student Services Organization)

http://www.jasso.go.jp/study_j/index_e.html

Financial Aid for Graduate School Students

Keio Graduate School Scholarship: ¥600,000 per year (term: one year)
 Shinzo Koizumi Memorial Graduate School Scholarship: ¥30,000 per month (term: one year)
 Japan Students Services Organization: ¥50,000 or ¥88,000 loan for master's students and ¥80,000 or ¥122,000 loan for doctoral students per month (term: average course term)
 Other Keio designated scholarships: public and private scholarships are also available.

Application Procedures

① Before applying online, be sure to read the Admission Application Guidelines carefully. Decide which entrance examination you wish to take, note the deadline for the application to this exam, and note when the program of your choice commences.

② Begin your registration process by filling in all of the required information on the Web Entry forms. An examinee's number will be issued when you activate your entry to the application. Please remember your examinee's number because you will be asked to enter this number on your application documents later.

③ After you complete the entry on the Web Entry forms, print out the Application Form and enclose it in the envelope together with other application documents. If necessary, you can revise the data later, however please note that the Office of Student Services will consider the application documents you submit to the office by postal mail as the original

copies of your application documents. Be sure to print out your papers after checking thoroughly that all of the information you entered is correct and final.

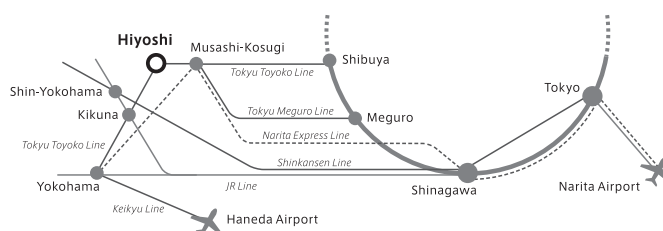
④ Place all the required application documents, including the aforesaid Application Form, in a A4-size envelope (folded documents are not acceptable) and send the package by either simple registered express mail or registered express mail. For domestic applicants, packages postmarked on or before the date of the application deadline will be considered valid. Applications sent from abroad must be received by the Office of Student Services by the date of the application deadline in order to be considered valid.

For further information, please visit the website below:
<http://www.sdm.keio.ac.jp/en/admission/index.html>

Admission Schedule	Application Period I	Application Period II	Application Period III
Pre-Contact*	(Strongly recommended)	(Strongly recommended)	(Strongly recommended)
Activation of Web Entry System	Fri, May 31–Mon, June 10, 2013	Fri, September 6–Thur, September 19, 2013	Wed, December 25, 2013–Thur, January 9, 2014
Application Period**	Wed, June 5–Mon, June 10, 2013	Fri, September 13–Thur, September 19, 2013	Mon, January 6–Thur, January 9, 2014
Announcement of Results of 1st Screening	Fri, June 21, 2013	Fri, October 4, 2013	Fri, January 24, 2014
2nd Screening	Sat, June 29–Sun, June 30, 2013	Sat, October 12–Sun, October 13, 2013	Sat, February 1–Sun, February 2, 2014
Announcement of Results of 2nd Screening	Tue, July 2, 2013	Wed, October 16, 2013	Tue, February 4, 2014
Admission	September 2013 or April 2014	April 2014 or September 2014	April 2014 or September 2014

* Applicants are strongly recommended to contact the Keio SDM professor(s) whom they wish to have serve as research advisor(s), and discuss their intended research in advance. To contact your desired research advisor(s), please enter the necessary information in the "Pre-Contact Form."

** Documents must arrive on or before the deadline date.
 (Documents sent from Japan must be postmarked on or before the deadline date.)



Access: A one-minute walk from Hiyoshi Station
 (Tokyu Toyoko Line, Tokyu Meguro Line, or Yokohama Municipal Subway Green Line)

- 18 minutes by express train from Shibuya station to Hiyoshi Station (16 minutes by commuter limited express)
- 12 minutes by express train from Yokohama station to Hiyoshi station (10 minutes by commuter limited express)
- 14 minutes by train from Shin-Yokohama station to Hiyoshi station via Kikuna station
- Limited express trains on the Tokyu Toyoko Line do not stop at Hiyoshi Station.