



KYOTO INSTITUTE
OF TECHNOLOGY
京都工芸繊維大学 2020



SCHOOL GUIDE



Multidisciplinary Learning Stimulates Creativity

In today's complex world, human resources capable of approaching issues from multiple perspectives are increasingly valued. At Kyoto Institute of Technology, biology, chemistry, engineering and design coexist in a single faculty. We believe removing the rigid boundaries between disciplines spurs innovation. Organic collaboration that leaps the borders of disciplines is fostered through encounters with diverse professional knowledge and experience. The creativity we encourage in our students is born of knowledge in combination with "intelligence having fun." We take pride in our Kyoto location and while encouraging our students to appreciate the traditions of this historic city, we also urge their active participation in collaborative projects at research organizations around the world.

Photo: Yasushi Ichikawa, Spring at the Takano River near the Campus



KYOTO INSTITUTE OF TECHNOLOGY PROJECT

Kyoto, where Tradition is Treasured and Innovation Thrives

Kyoto is full of long-standing Japanese cultural traditions. At the same time, it is constantly evolving and incorporating new elements. This city has launched numerous innovations thanks to an ability to maintain its essential Kyoto-ness in tandem with flexibility that allows for change.

© KYOTO Design Lab, Kyoto Institute of Technology | photo: Tomomi Takano

KYOTO INSTITUTE OF TECHNOLOGY PROJECT

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The KIT Origin Story: from Applied Art and Textiles to Technology and Engineering

Our university had its start 120 years ago in technical schools specializing in applied art, textiles and engineering. Today, students and researchers from around the world are attracted here to investigate a vast range of questions in science and engineering. In labs and class rooms around the campus, you can find people from many cultures and nationalities collaborating on shared goals.

Design-centric Engineering Program (dCEP)

Our new Design-centric Engineering Program (dCEP) produces human resources who identify needs from the user's point of view, innovate technologies and create new value through innovation. Students master design thinking by attending dCEP training sessions in implementation based on this approach. The core of the program consists of identifying issues, researching ways of innovating elemental and technological solutions and presenting strategies and concrete steps for their implementation. In training sessions facilitated by a range of outside experts, clients from government and industry present issues of concern and real-world needs. The practical solutions these sessions produce emerge from an in-depth knowledge of engineering and the big-picture perspective of veteran designers and design researchers.



Global Collaboration Platform: KYOTO Design Lab

KYOTO Design Lab, founded in 2014 by Kyoto Institute of Technology as a core organization for multidisciplinary projects and outreach in architecture and design, is working with leading researchers from around the world to identify social issues, apply intersecting specialties and serve as an incubator for solutions. New approaches to issues enable novel solutions. One D-lab project involved a joint 3D scanning and sound recording of a traditional Kyoto garden landscape with the Swiss Federal Institute of Technology Zurich [ETH Zürich]. Inspired by this, students at KIT now collect 3D data for campus facilities. We expect the accumulation of such methods and data to expand in unique and promising ways.



Kiyotaka Morisako
President
Kyoto Institute of Technology

Our Kyoto location is vital to the design, science, and engineering programs at Kyoto Institute of Technology (KIT). Notably, this thousand-year capital of Japan has lead many developments central to Japanese culture, and the production and refinement of traditional craft. The inherited traditions and techniques, and the culture that enabled Kyoto's artisans to reach the summit of expertise in their craft, are directly contributing to novel technological innovation today. At KIT, we benefit from this heritage of Kyoto wisdom and tradition as we innovate for positive social and environmental change by being acutely attuned to feedback. We consistently verify the influences and consequences of the technology we make available to the public, and the contributions we make to people's lives through the products we create and develop. We will continue to model our research and education on the accumulated wisdom and influence of Kyoto, a city that has passed the test of time.

What kind of human resources do we produce? At KIT, it is not enough to train experts and technicians. Through the six undergraduate, fourteen master's and eight doctoral programs KIT provides, graduates become employment-ready Tech Leaders who oversee and manage projects from their solid scientific and engineering expertise. Students are required to acquire the ability to lead projects to success. To that end, all students master the four competencies: in depth specialized skills and knowledge, leadership, the ability to lead and manage a project in a foreign language, and the achievement of a solid cultural identity.

We encourage students in all programs to practice design thinking. Specialized research is essential, but on its own, it does not produce social innovation. Students must also

breach the borders of their academic discipline and communicate across majors. A multidisciplinary approach is necessary in addressing the issues that face the world today. However, that alone will not provide solutions. We must examine how collaboration can spur innovation. Our design process encompasses the problem-identification-and-analysis process, and the planning of all steps toward a solution, from actualization to completion.

To put all of this into practice, we established the KYOTO Design Lab in 2014 where, through collaboration among KIT and world-class designers and architects, we have been putting the design process described above into practice on real-world issues. The lab's achievements and experience encouraged us to establish a new Center for Design-centric Engineering (CdE) in 2018 to supervise the KYOTO Design Lab, New Material Innovation Lab, Green Innovation Lab, and other labs. The following year, the CdE launched the "Design-centric Engineering Program (dCEP)" to take Tech Leader development to the next level through industry-academia collaboration and other projects. For students to gain and expand both global and regional viewpoints, we think globally, and act locally. For example, we are developing a cross-sector Regional Revitalization Tech Program from our Fukuchiyama campus based in northern Kyoto Prefecture. We are also promoting regional collaboration projects from our Kyo-tango Campus and the Ayabe Regional Collaboration Office established in Ayabe City.

From Kyoto to the world! The ripple effect of Kyoto Institute of Technology is happening in the realm of novel science and engineering innovation. We are driven to achieve our goals.

I The Development of Kyoto Institute of Technology

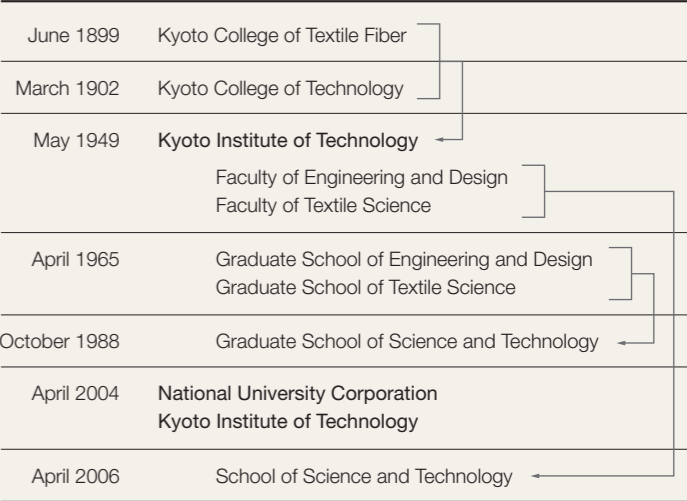


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			Mechanophysics				

Academic Strengths

Our Mission

ART × SCIENCE

Every day, the interaction among the three academic fields of Materials and Life Science, Engineering Design, and Architecture and Design gives rise to groundbreaking initiatives that overturn previously held common wisdom.

LOCAL × GLOBAL

KIT is located in Kyoto, a global metropolis and an ancient capital brimming with cultural heritage. Making use of this optimum location, we have actively pursued the rediscovery of local traditional culture and exchange with researchers from around the world.

TRADITION × INNOVATION

We are rediscovering hints for the future from familiar things around us, and discovering historical continuity in original ideas and technologies. It is from this intersection of tradition and innovation that we continually access unknown potential.

Tech Leaders

Tech Leaders are all students who complete our four educational programs. They are able to demonstrate leadership built on a solid grounding in the fundamental knowledge and skills of their area. They are required to acquire the ability to lead various projects to success. In other words, they are intercultural-sophisticated engineers who have:

- Expertise
- Leadership Experience
- Second Language Fluency
- Cultural Identity

Strategic Global Programs & Activities

Design-centric Engineering Program (dCEP)

Our highly selective multidisciplinary Design-centric Engineering Program (dCEP) trains engineers to identify needs, link innovative technologies with new values and take innovation to production. Too many control room alarms are a design-level flaw. Mastering design thinking through real-world implementation and problem solving that involves end-users prevents such oversights. Lectures focus on design research theory, prototyping theory and practice, innovation and intellectual property law and venture business organization. Real-world projects have included medical implant innovation, material innovation, architectural heritage restoration implementing sustainable materials and designs, and the development of a sustainable AC/DC transfer-ready energy system with 3-port power router enabling photovoltaic and other energy generation, storage and use. Welcome to a better future.

Double Degree / Joint Degree Programs

Our first collaborative international degree was the Joint Master's Degree Program in Architecture with Chiang Mai University, Thailand. We now have Double Degree programs in Applied Chemistry and Materials Science at Politecnico di Torino and at Venice Ca'Foscari University, Italy. The years of work that have gone into the solid partnerships behind our double (graduates receive two diplomas, one from each institution) and joint (students receive a single diploma issued by a collaboratively run program) degrees have borne fruit. Graduates of these programs proceed to bright futures. Thai, Italian and Japanese students have established strong international networks and feel at home in both degree program countries. They become intercultural human bridges who listen to needs, identify issues and formulate solutions. This is only the beginning of KIT's pipeline of expert "Tech Leaders" to a changing world.

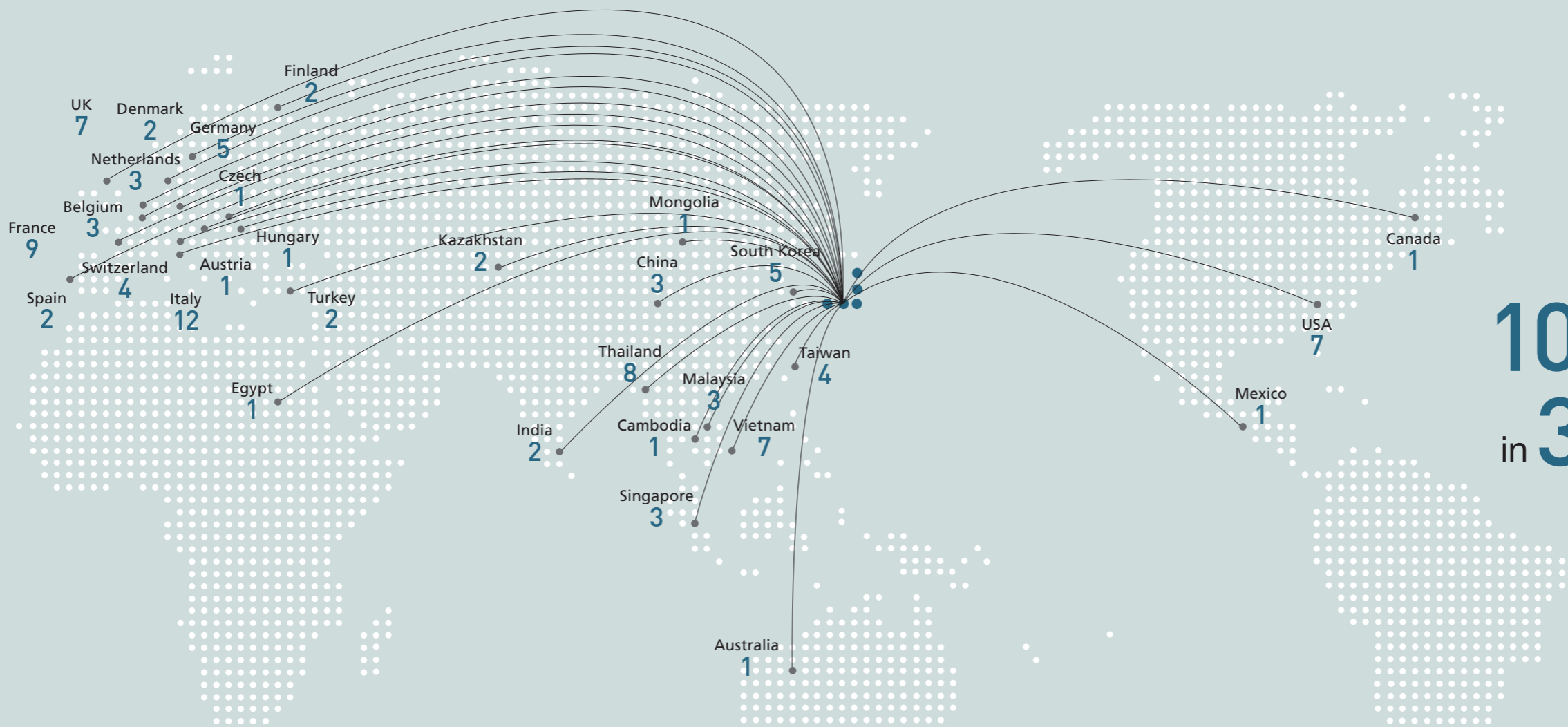
Active Student Mobility

Imagine a busy hive of bees, and you have a picture of student mobility at KIT. Record numbers of our students are now studying and conducting research abroad for short and extended periods, primarily in Europe and Asia. Our campus is vibrant with the new ideas and perspectives of students from 30 countries/regions. We hold specialized multi-national intensive workshops and summer schools in entrepreneurship, textile engineering, architecture, electronic systems innovation and other areas. Teams compete to produce a product or realize goals within a time limit, quickly identifying shared vocabulary and supplementing communication through gestures and drawings. Tasks range from software development to sustainable redesign of architectural structures and the revitalization of urban communities. Students overcome differences in culture and religious backgrounds to communicate in the pursuit of a shared goal.

Worldwide Collaborative Research

Do you associate Kyoto with traditional architecture or temple gardens? It is also home to corporations producing non-invasive vascular monitors, smart cards, industrial robots, fiber-optic components, lithium-ion batteries and much more. After collaborating with Cavendish Laboratory at Cambridge University for several years, our Materials Innovation Lab now has a researcher at this facility looking into organic semiconductor crystal use in laser devices. Our Green Innovation Lab is coordinating power-supply networks with the European Center for Power Electronics and the US Center for Power Electronics Systems. KIT's KYOTO Design Lab collaborates with ETH Zurich and nearly 50 top design schools on virtual reality tours of heritage sites and architectural heritage conservation. At KIT, multi-national multi-disciplinary research collaboration benefits from proximity to industry and worldwide researcher exchange results in innovation.

Academic Exchange Agreements (as of January 2020)



104 partner institutions
in 30 countries/regions

	Country/ Region	Institution	Partnership Initiated
Africa	Egypt	Helwan University	2008
Asia	Cambodia	Royal University of Phnom Penh	2019
		Donghua University*	1987
		Zhejiang Sci-Tech University*	2003
	India	The Hong Kong Polytechnic University, Institute of Textiles and Clothing*	2007
		Indian Institute of Technology Guwahati*	2015
		National Institute of Design	2015
	Malaysia	University Kuala Lumpur	2014
		University of Science-Malaysia*	2015
		University of Malaya*	2017
	Mongolia	Mongolian University of Science and Technology	2013
	Singapore	National University of Singapore, Faculty of Engineering*	2004
		National University of Singapore, School of Design and Environment*	2013
		Singapore University of Technology and Design	2016
	South Korea	Pusan National University*	2002
		Yeungnam University*	2004
		The University of Suwon*	2006
		Hanyang University, (College of Engineering)*	2010
	Gyeongnam National University of Science and Technology*		2013
Taiwan	Tatung University*		2008
		National Taiwan University Graduate Institute of Art History	2015
		National Chiao Tung University*	2015
	National Taiwan University of Science and Technology*		2018
		Mahasarakham University*	2001
		King Mongkut's University of Technology Thonburi*	2003
		Kasetsart University*	2003
	Chulalongkorn University*		2003
			2003

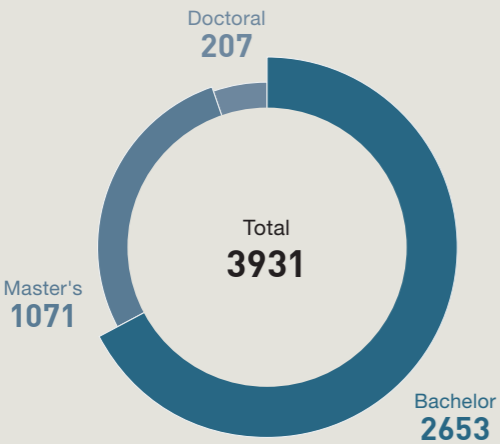
	Country/ Region	Institution	Partnership Initiated	
Asia	Thailand	Mahidol University*	2003	
		Chiang Mai University*	2005	
		Rajamangala University of Technology Thanyaburi*	2006	
		Khon Kaen University	2011	
	Vietnam	Can Tho University*	2002	
		Hanoi University of Science and Technology*	2002	
		Vietnam National University-Ho Chi Minh City, University of Science*	2002	
		Vietnam Academy of Science and Technology, Institute of Chemistry*	2004	
		Hanoi Medical University*	2006	
		Vietnam National University-Ho Chi Minh City, University of Technology*	2007	
Europe	Austria	National Institute of Medicinal Materials*	2019	
		Vienna University of Technology*	2012	
		Belgium	University of Liege*	2017
			University of Mons*	2018
	Czech	Ghent University*	2019	
		Technical University of Liberec*	2016	
	Denmark	The Royal Danish Academy of Fine Arts, School of Architecture*	2012	
		The Royal Danish Academy of Fine Arts, School of Design*	2016	
	Finland	Aalto University*	2004	
		LAB University of Applied Sciences*	2007	
France	Ecole Nationale Supérieure d'Architecture de Paris la Villette*	1999		
	Ecole Nationale Supérieure d'Architecture de Versailles*	2006		
	IMT Lille-Douai*	2007		
	Ecole Nationale Supérieure d'Arts et Industries Textiles (ENSAT)*	2008		

	Country/ Region	Institution	Partnership Initiated
Europe	France	Ecole Pratique des Hautes Etudes*	2009
		Sorbonne Universités	2014
		Université d'Orléans*	2015
		Université Paris Diderot	2015
		Université de Haute-Alsace*	2018
	Germany	Stuttgart University of Applied Sciences*	2004
		RWTH Aachen University, Faculty of Mechanical Engineering*	2013
		Cologne University of Applied Sciences*	2014
		Technical University of Munich, Faculty of Architecture	2014
		Justus Liebig University Giessen*	2016
	Hungary	Budapest University of Technology and Economics	2015
	Italy	The University of Trieste*	2002
		National Interuniversity Consortium of Materials Science and Technology*	2010
		Venice Ca'Foscari University*	2012
		RFX Consortium	2016
		University of Modena and Reggio Emilia	2017
	Kazakhstan	Politecnico di Torino*	2017
		University of Pavia*	2018
		Università Iuav di Venezia*	2018
		University of Verona*	2018
		University of Padova*	2018
	Netherlands	University of Bergamo*	2019
		Politecnico di Milano*	2019
		Al-Farabi Kazakh National University*	2018
		Kazakh-British Technical University*	2019
		Delft University of Technology, (Faculty of Architecture and the Built Environment)*	2015
		ArtEZ University of the Arts*	2018

	Country/ Region	Institution	Partnership Initiated
Europe	Netherlands	Design Academy Eindhoven	2019
	Spain	Polytechnic University of Catalonia*	2002
		Institute of Materials Science of Barcelona	2012
	Switzerland	Swiss Federal Institute of Technology Zurich	2014
		Università della Svizzera italiana, Academy of Architecture	2015
		Geneva School of Art and Design*	2016
		Lucerne University of Applied Sciences and Arts*	2017
	UK	University of Leeds*	1990
		St George's, University of London*	2007
		The Glasgow School of Art*	2013
Royal College of Art*		2014	
Kingston University*		2015	
University of Cambridge, Cavendish Laboratory		2015	
	University of the Arts London	2018	
Middle East	Turkey	Mimar Sinan Fine Arts University*	2013
		Pamukkale University	2016
North America	Canada	The University of Manitoba	2015
	Mexico	Monterrey Institute of Technology and Higher Education	2017
		USA	The University of Akron
		North Carolina State University	2003
		University of Texas Arlington	2014
		University of Washington, College of Engineering	2014
		University of Wisconsin-Madison	2015
		Auburn University, College of Science and Mathematics	2016
	Arizona State University	2019	
Oceania	Australia	Deakin University*	2016

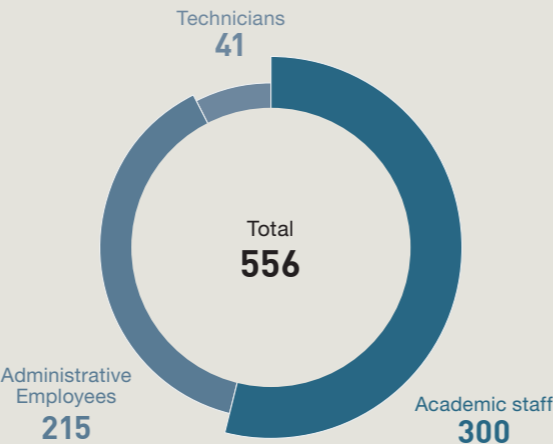
* Student exchange available

Number of Students (as of January 1, 2020)



Student
Faculty Ratio
13 : 1

Number of Staff (as of January 1, 2020)



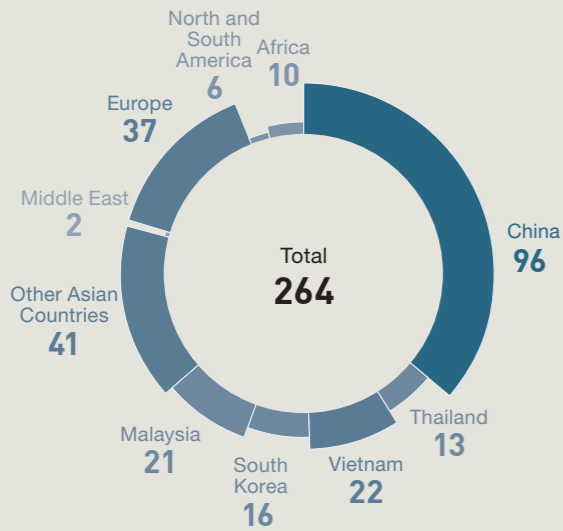
Applied Biology : 27
Materials Science and Engineering : 35
Molecular Chemistry and Engineering : 26
Electrical Engineering and Electronics : 27
Mechanical Engineering : 29
Information and Human Sciences : 30
Fiber Science and Engineering : 25

Design and Architecture : 46
Arts and Sciences : 37
Center for Industry-Academia-Government Collaboration : 1
Center for Design-centric Engineering : 8
Institutes for Foundational Education and Research : 3
Others : 6

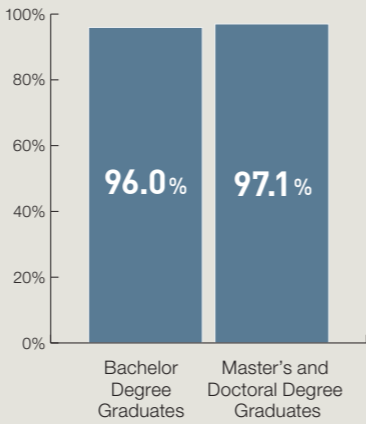
Organization

Academic Field	School of Science and Technology Undergraduate Programs	Graduate School of Science and Technology	
		Master's Programs	Doctoral Programs
Applied Biology	Applied Biology 228 (7)	Applied Biology 61 (3)	Biotechnology 26* (3)
Materials Science	Applied Chemistry 749* (23)	Innovative Materials 73 (3) Material's Properties Control 67 (1) Materials Synthesis 60 (3) Functional Chemistry 60 (3)	Materials Chemistry 36 (13)
Engineering Design	Electronics 282 (7) Information Science 279 (4) Mechanical Engineering 403* (18)	Electronics 112 (3) Information Science 104 (3) Mechanophysics 71 (0) Mechanodesign 66 (5)	Electronics 9 (1) Engineering Design 33 (10)
Design	Design and Architecture 708* (19)	Design 111* (18) Architecture 181 (11) Kyoto Institute of Technology and Chiang Mai University Joint Master's Degree Program in Architecture 9 (0)	Design 24* (3) Architecture 27 (9)
Fiber Science and Engineering		Advanced Fibro-Science 66 (7) Biobased Materials Science 30 (1)	Advanced Fibro-Science 43 (14) Biobased Materials Science 9 (4)
Arts and Sciences	Languages, mathematics, physics and humanities subjects		

International Student Enrollment (as of January 1, 2020, includes non-degree students)



Employment Success Rate (for the 2018 academic year)



Research (as of 2018)

Collaborative Research :
121 projects 203,884,000JPY

Research Endowments :
167 projects 126,711,000 JPY

Commissioned Research :
57 projects 305,596,000 JPY

* Includes students enrolled in the undergraduate and doctoral programs prior to reorganization
Note : Discontinued Undergraduate Program of Integrated Science and Technology student numbers are not shown.



応用生物学専攻 Applied Biology

Available Levels

Undergraduate Programs

› Applied Biology

Master's Programs

› Applied Biology

Doctoral Programs

› Biotechnology

We develop state-of-the-art technology to analyze life phenomena, improve the environment and address issues in human health. As our students master the fundamentals of biology, chemistry, and physics, they develop an insatiable desire to pursue phenomena. Students in this program sharpen their awareness of living organisms and their environments, develop an interest in a wide range of natural phenomena, and take on interest-inspired inquiries and observations of unexplained life forms and processes.

Laboratories

Cell Signaling and Engineering

Functional Cell Biology

Applied Microbiology

Plant Science and Molecular Engineering

Neuroscience

Human Performance

Structural Biology

Insect Biotechnology

Insect Physiology and Function

Chromosome Engineering

Applied Genomics

Applied Entomology

Applied Botany

Evolutionary Genomics

Biomedical and Developmental Biology

生体分子機能学

細胞機能学

微生物工学

植物分子工学

生体機能学

生体行動科学

構造生物学

昆虫工学

昆虫生理機能学

染色体工学

応用ゲノミクス

資源昆虫学

資源植物学

進化ゲノム学

昆虫バイオメディカル学

MY RESEARCH



SAVADOGO Hyrmeya Eric
Doctoral Student (Burkina Faso)

Using Transcription Analysis to Identify Defense Molecules

When I got the opportunity to continue my studies at KIT, I was delighted and at the same time I felt the pressure of coming to study in a foreign environment. The first day I was introduced to my labmates, I felt the change in me. I knew I had found a second home.

My studies focus on the fig tree latex defense system against pests and pathogens with the main objective of finding defense molecules (proteins) in fig tree latex and the roles of these proteins in the defense mechanism of the fig tree. The approach used here is a technique of transcriptome analysis using Next Generation Sequencing, a cutting edge technique in biology.

My supervisor taught me this technique through several sessions of experimentation. I also attended lectures in bioinformatics, useful for analysis and processing of files after sequencing, and learned much from the professors daily.



材料創製化学専攻 Innovative Materials

Available Levels

Undergraduate Programs

› Applied Chemistry

Master's Programs

› Innovative Materials

Doctoral Programs

› Materials Chemistry

This program enables students to pursue core educational and research issues surrounding world-class performance and practical materials functionality. By integrating a wide range of materials from organic and inorganic to hybrid materials, we are innovating optoelectronic materials, separation materials, high temperature materials, and more.

Laboratories

Functional Polymer Design

Polymer Photonics

Applied Polymer Chemistry

Polymer Physics

Physical Chemistry of Excited Molecules

High-temperature Materials

Amorphous Technology

Inorganic Materials Physical Chemistry

Fine Particle and Powder Engineering

Applied Quantum Chemistry to design Nanomaterials

機能高分子設計

高分子フォトニクス

機能有機材料化学

高分子物理学

励起分子工学

高温材料学

アモルファス工学

無機材料物化学

微粒子プロセス工学

ナノ材料計算化学

MY RESEARCH



DOAN Ngoc Hoan
Doctoral Student (Vietnam)

Centrifugal Spinning of Functional Micro-Nano Fibers

In 2016, I had the chance to begin studying at KIT as an exchange student supported by JASSO. After three months of research, I realized that KIT, and particularly the Functional Polymer Design Laboratory (FPD), was the richest research environment I had ever experienced. Its global perspective and comprehensive support for international students were so impressive that I decided to continue studying at FPD when I received additional funding from MEXT. Our laboratory is involved in research into a wide range of topics including photorefractive polymers, ferroelectric polymers, polymer lasers, two-photon-absorption-induced structure, functional fiber, photosensitive reactions and biodegradation. My research focuses on the fabrication of functional micro-nano fibers using the high-production/low-cost method known as centrifugal spinning. The resulting fibers are useful in oil spill on water cleanup, water-oil separation and emulsion separation.



材料制御化学専攻

Material's Properties Control

Available Levels

- Undergraduate Programs
- › Applied Chemistry
- Master's Programs
- › Material's Properties Control
- Doctoral Programs
- › Materials Chemistry

In developing high-functioning materials it is necessary to use a systematic, goal-specific method to identify useful properties. This is the role of our specialization. Transforming physical substances into use-specific materials is an essential step in the creation of novel useful materials and one which our students learn to excel at.

Laboratories

Polymer Molecular Engineering	高分子物性工学
Fibrous Material Science	繊維高分子材料
Polymer Mechanics	繊維高分子力学
Textile Engineering Design	繊維製品設計
Condensed Matter Physics	物性物理学
Atomic and Molecular Science	原子分子物理化学
Ceramic Physics	セラミック物理学
Chemical Reactions in High Temperatures	高温反応工学

MY RESEARCH

Targeting Tech Leadership in Inorganic Materials for Use in the Human Body

I am presently studying the behavior of a variety of inorganic materials and composites *in vitro* and in the human body under the supervision of Prof. Giuseppe Pezzotti at the Ceramic Physics laboratory. This topic opened up a new world for me. I have identified a number of chemical interactions, which require further study, and related problems that require solving before we introduce those materials into the human body. I have enjoyed working with the physicists, chemists, and medical doctors who have helped me understand the functions and behavior/interactions of various materials in the human body. I chose Japan and Kyoto for my PhD, because of the fascinating culture and the different lifestyle. At KIT, my supervisor and the other professors with whom I have interacted have been very approachable and always ready to support me in solving any problems I have encountered. In working so far from my native land, this goes a long way toward putting me at ease.



ZANOCCO Matteo
Doctoral Student (Italy)



物質合成化学専攻

Materials Synthesis

Available Levels

- Undergraduate Programs
- › Applied Chemistry
- Master's Programs
- › Materials Synthesis
- Doctoral Programs
- › Materials Chemistry

Using a comprehensive approach to molecular-level material design and precision synthesis development as well as conducting education and research in structural transformation and molecular organization, we take a bottom-up approach toward developing materials with advanced function and performance at the atomic/ molecular level.

Laboratories

Function-oriented Synthetic Chemistry	機能合成化学
Polymer Organic Chemistry	高分子有機化学
Synthetic Molecular Chemistry	分子合成化学
Organofluorine Chemistry	有機フッ素化学
Functional Polymeric Materials	機能性高分子材料学
Precision Organic Materials Chemistry	精密有機材料学
Applied Complex Materials Chemistry	応用錯体化学

MY RESEARCH

Preparation of Calcium Carbonate Composite Particles using a Carbonate Controlled-Addition Method

I am developing calcium carbonate composite nanoparticles that can control particle size (100 nm to 1 μ m) for use in biomedical imaging and targeting. The devices and equipment in the laboratory more than meet my needs. As for my supervisors and colleagues, they encourage and support me not only in my studies, but in many other aspects of my life. Thanks to them, I participated in several conferences and was able to enjoy events such as laboratory camps and playing baseball with other laboratory members. KIT classes are considerably substantial in that they include not only specialized subjects but also participation-type classes. I even had an opportunity to experience tea ceremony. Kyoto is a very livable city because it is calm and peaceful compared to other big cities, easy to move around in and a leader in traditional Japanese culture. I am looking forward to continuing my life in Kyoto and at KIT.



LEE Haekyung
Master's Student (South Korea)



機能物質化学専攻

Functional Chemistry

Available Levels

Undergraduate Programs

› Applied Chemistry

Master's Programs

› Functional Chemistry

Doctoral Programs

› Materials Chemistry

We measure and analyze the structure and function of various bio-related substances involved in the activities of living organisms, control the function of substances, and apply our observations and knowledge to the creation and application of functional substances. We also develop new methods for analytical measurement.

Laboratories

Molecular Structural Chemistry

Biophysical Chemistry

Analytical Chemistry

Chemical and Biochemical Engineering

Rubber and Elastomer Science

Biopolymer Chemistry

Bioregulation Chemistry

Biofunctional Chemistry

Environmental Measurement Technology

分子構造化学

生物物理化学

物質分析学

化学工学

天然高分子材料学

生体高分子化学

生体高分子情報

生体分子機能化学

環境計測学

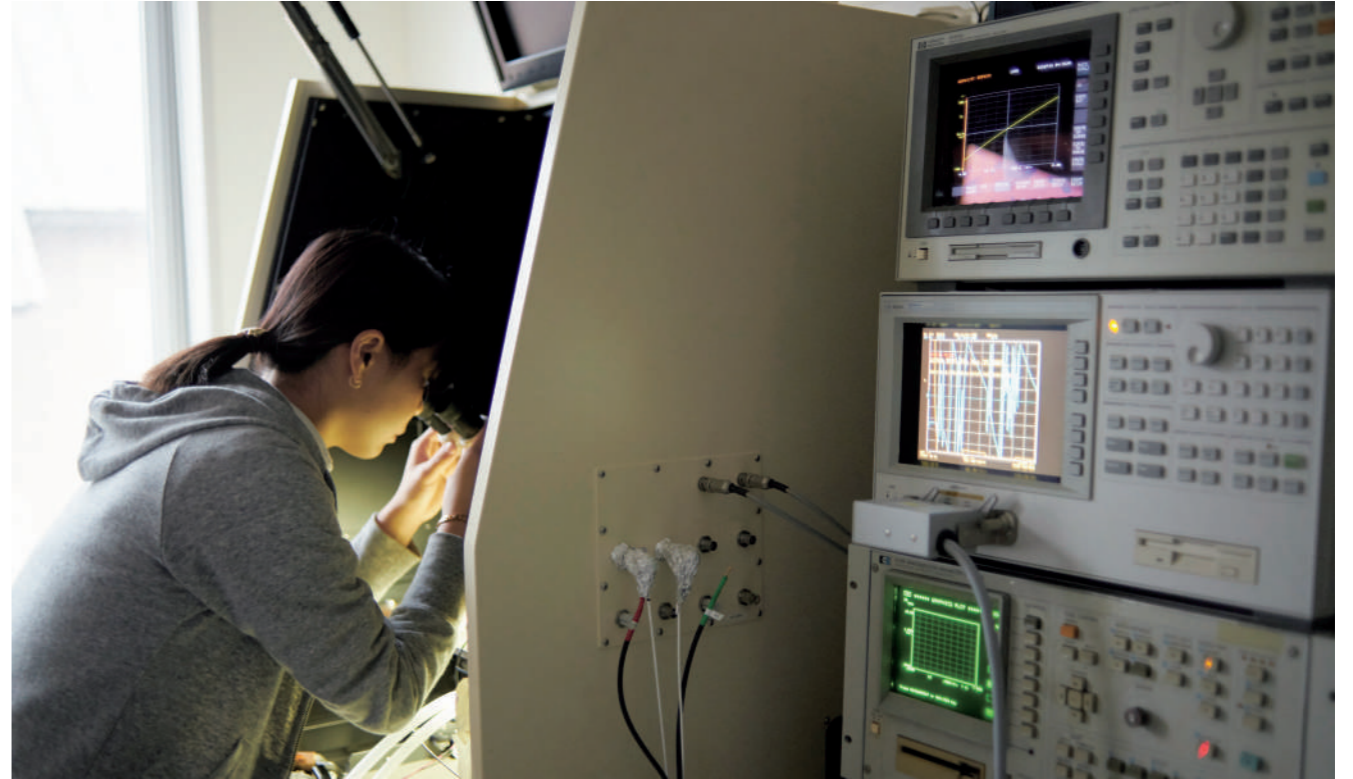
MY RESEARCH

Using epoxy-based resin in the stationary phase of protein chromatography

When I was selected to pursue my PhD studies at KIT, I was thrilled to have an opportunity to spend three more years in this warm-hearted school where I am the sole representative of Madagascar. I research protein chromatography, focusing on characterization of epoxy-based resin to be used in the solid stationary phase. Chromatography is used to separate mixtures of substances into their components. Specifically, it enables me to isolate native proteins from complex sources. The more I learn in this field of study, the more interesting it becomes. But studying in Kyoto is not my only reason for being in Kyoto, I love the feeling of living in a beautiful historical city. I am grateful to be able to spend my free time visiting places of cultural interest, and experiencing Kyoto and the Kansai region.



RAKOTONDRAVAO Haingomaholy Michelle
Doctoral Student (Madagascar)



電子システム工学専攻

Electronics

Available Levels

Undergraduate Programs

› Electronics

Master's Programs

› Electronics

Doctoral Programs

› Electronics

Our students graduate ready for leadership positions after acquiring a strong electronics/information/communications technological foundation and related practical experience. They utilize their expertise to lead future technological development, and their comprehensive understanding of this field to adapt new technologies to market demands.

Laboratories

Digital and Analog Integrated Circuits

Cyber-Physical (Merging) Systems Engineering

Microwave Engineering

Advanced Electromagnetic Wave Engineering

Optoelectronics and Optical Communication

Integrated Photonics

Imaging Photonics

Advanced Sensing Engineering

Electronics Device Engineering

Semiconductor Engineering

Functional Materials Science and Engineering

Electronic Science and Engineering

Plasma Science and Technology

Nano Structure Science

Electronic Material Science

電子回路工学

サイバー・物理融合システム工学

高周波通信工学

先進電磁波動工学

光エレクトロニクス

光エンジニアリング

光エンジニアリング

光エンジニアリング

電子デバイス工学

半導体工学

機能性材料工学

電子物性工学

プラズマ基礎工学

ナノ構造科学

物性基礎工学

MY RESEARCH

Dusty Plasma Processing in a Vacuum Chamber

Interested in Japanese culture and traditions since high school, I was delighted to travel to Japan as an undergraduate to participate in the KIT Electronics Summer School arranged by my current supervisor. When I returned to Kazakhstan, I applied to the master's program at KIT, but on being accepted, I felt conflicted. I was both happy and stressed at the thought of life in a new country with people I did not know. I need not have worried. From my first day, everyone in the lab welcomed me and did their best to help me adapt quickly. Our laboratory's focus is plasma. Some of us work with it at atmospheric pressure while others use the vacuum chamber. By controlling the size and composition of fine dust particles, we can use plasma to grow 'designer' particles or modify material properties. I have recently begun working with dusty plasmas in a vacuum chamber with the aim of developing new industrial technologies.



YERIMBET Meruyert
Master's Student (Kazakhstan)



情報工学専攻 Information Science

Available Levels

Undergraduate Programs

› Information Science

Master's Programs

› Information Science

Doctoral Programs

› Engineering Design

This program ensures students acquire a balanced understanding of the latest hardware and software technology in the areas of information, communication, networks, and system control from a theoretical and practical standpoint. We train research and development engineers who become active researchers and practitioners in their areas of specialty.

Laboratories

Computational Intelligence and Systems

Intelligent Control Systems

Interactive Intelligence

Multimedia Data Engineering

Image Processing

Visual Information

Computer Systems

Software Engineering

Information Security

Information Communication Systems

Distributed Systems

Educational Technology

Human Information Technology

Cognitive Behavioral Science

Human Interface

Data Science

情報知能システム

知能制御

インタラクティブ知能

マルチメディアデータ工学

画像工学

視覚情報

コンピュータシステム

ソフトウェア工学

情報セキュリティ

情報通信システム

分散システム

教育情報システム

人間情報技術

認知行動科学

ヒューマンインタフェース

データサイエンス

MY RESEARCH



TRAN Vo Khanh Ngan
Master's Student (Vietnam)

Prediction of Unusual Plasma Discharge Using Deep Neural Networks

Kyoto is a city where tradition meets modernity. This means I frequently encounter new people, and discover aspects of culture, language and cutting-edge technology. At KIT's Multi-media and Data-engineering laboratory my warm-hearted supervisor and enthusiastic lab-mates always inspire me. My research focuses on the prediction of unusual or disruptive plasma discharge and instabilities. This can help to prevent Large Helical Device failure during experiments. Deep Neural Networks and a new type of neural network architecture for generative modeling called the Generative Adversarial Network are both used to predict unusual visible light emission inside the device. During my time studying at KIT, I have found not only that it is an ideal academic environment to broaden my horizon in the field of Information Science, but also a source of greatly valued friendships among people from different countries. My experiences here are proving to be my most fulfilling yet.



機械物理学専攻 Mechanophysics

Available Levels

Undergraduate Programs

› Mechanical Engineering

Master's Programs

› Mechanophysics

Doctoral Programs

› Engineering Design

Acquiring a solid background in the four branches of mechanical engineering: thermodynamics, fluid dynamics, material mechanics and dynamics; our students are able to clarify various physical phenomena from a mechanical perspective. They apply this knowledge to the actual manufacturing process to realize product development and analysis breakthroughs that go beyond conventional limits. We train mechanical engineers and researchers to create new value through exploratory approaches.

Laboratories

Thermoenergy Engineering

Control of Transport Phenomena

Advanced Fluid Dynamics and Energy Transfer

Fluid Energy Systems

Computational Engineering

Mechanics of Materials

Computational Materials Design

Smart Structural Systems and Structural Intelligence

熱エネルギー工学

輸送現象制御学

エネルギー変換輸送工学

流体エネルギーシステム

計算工学

材料力学

数値材料デザイン

知的構造システム学

MY RESEARCH



HAMATO Shotaro
Master's Student (Japan)

Numerical Computation of High-speed Train and Stationary Overpass Derived Flow

My research uses numerical simulations to obtain a fundamental understanding of flow fields caused by trains traveling at high speeds and those around stationary overpasses. The development of numerical methods is another aim of our lab. In particular, we focus on overpasses, a kind of bridge for pedestrians and cars. I am currently working on a joint study with Warwick University in the UK. Overpasses in the UK are very old because the railway systems in the country are among the oldest in the world. The railway overpasses should be improved as soon as possible. Optimal design require an understanding of the flows around these structures. One of the most challenging aspects of this study is computing moving and stationary objects such as trains and overpasses in the same computational domain. I encounter many challenges in both my studies and my private life. However, my good-natured lab-mates and the historical and peaceful atmosphere in Kyoto always cure what ails me. I believe you can make exciting new discoveries, come across beautiful scenery and enjoy the company of fun people at KIT and in Kyoto.



機械設計学専攻 Mechanodesign

Available Levels

Undergraduate Programs

› Mechanical Engineering

Master's Programs

› Mechanodesign

Doctoral Programs

› Engineering Design

Our mechanical engineers and researchers are capable of working internationally not only in mechanical engineering, but in a wide range of highly advanced technologies. Our graduates tackle new value creation by accessing their interdisciplinary resources.

Laboratories

Fracture and Strength of Advanced Materials	先端材料学
Metal Forming	塑性工学
Precision Manufacturing	精密加工
Micro/Nano Processing	マイクロ・ナノ加工学
Production Systems Engineering and Informatics	生産システム情報学
Robotics	ロボティクス
Robot Locomotion	ロボットロコモーション
Measurement Systems	計測システム工学

MY RESEARCH



ZHU Junze
Master's Student (China)

Evaluating the Practicality of SPCC / A6061-T6 in Pressure Butt Laser Bonding

After I finished my bachelor's degree in China, I came to KIT to pursue my master's degree in laser bonding of dissimilar metals. Research and development in this area is highly desirable because it can enable weight reduction and reduce automotive CO2 emissions. Kyoto leads in traditional Japanese culture. I love the culture of Japan, and walking in Kyoto's temples or shrines where I feel like I am in a painting or going back hundreds of years. During the two years I have been at KIT, I have made many international student friends. I enjoy chatting with them very much. Although I will return to my hometown after graduation, I plan to check back often, because to me, Kyoto is like a second hometown.



デザイン学専攻 Design

Available Levels

Undergraduate Programs

› Design and Architecture

Master's Programs

› Design

Doctoral Programs

› Design

Taking design beyond formative creation and redefining its current role and function, we rename it Social-Interaction Design. Our graduates are service-creation and social-implementation ready. To achieve this, we organize coursework and research into four areas of specialization: design, technology, management and curation. These are organically integrated through PBL-based practical training and through internships and collaboration with industry, local government, and overseas research institutes.

Laboratories

Information Design	情報デザイン
Contemporary Design	現代デザイン
Product Design	プロダクトデザイン
Visual Design	視覚デザイン
Communication Design	伝達デザイン
Media Design	メディアデザイン
映像デザイン	
Interior Design	インテリアデザイン
Product Design Planning	製品デザイン計画
Color & Affective Engineering	色彩・感性工学
Information Technologies and Human Interface	情報環境工学
Living Environment and Human Response	生理環境工学
Facility Design Management	環境デザイン経営
Industrial Structures and Business Strategies	製品産業経営学
Customer-centered Design & Innovation	デザイン&イノベーション
Art History and Museology	美術史・美術館学
History of Art and Design	造形史
Aesthetics and Philosophy of Art	感性論(美学)・芸術学
Theory of Contemporary Art	現代芸術論
Culture and Representation	表象文化論
Design Thinking, Innovation, and Entrepreneurship	デザイン思考・アントレナシップ

MY RESEARCH



JULIAN PLACIDO Lilianka Isabel
Master's Student (Dominican Republic)

New Types of Digital Interactions Applied to Educational Systems

As a graphic designer, I specialized in web and mobile applications. I have a lot of curiosity about new digital and physical interactions. Studying in Japan is not only fun but also challenging, and learning at KIT has made me more aware of user needs and people-oriented design. Here, we have the opportunity to test our skills, meet new people from various design fields, and work together to solve design problems, birthing a world of new design methodologies. This has changed my point of view on design as a medium. I wish to help people with my design systems. My master's research consists of creating new types of physical interactions. For this, I am designing a book-AR (augmented reality) compatibility system to create fun new study methods that ease the effects of stressful educational practices.



The result of a USI design studio with an agreement with KIT / Photo: Tomomi Takano

建築学専攻 Architecture

Available Levels

Undergraduate Programs

› Design and Architecture

Master's Programs

› Architecture

Doctoral Programs

› Architecture

Our students take a global perspective to planning and hone abilities that take advantage of our Kyoto setting. This unique program, Kyoto Design, provides a strong grounding in the technical aspects of construction, research, and practical work. Students become well-versed in this region and its history. Our graduates become internationally competitive architects, building engineers, urban planners, restoration architects, and experts in cities and the built environment.

Laboratories

Modern Architecture Design

Architectural Design

Architecture and Urban Design Theory

Architectural Planning and Design for Regional Facilities

History of Modern Architecture / Conservation-Revitalization Design for Modern Architectural Heritage

Urban History and Urban Theory

Urban History

Urban and Architectural Heritage

History of Japanese Architecture and Traditional Architecture

History of Western Architecture / Architectural Theory

Structural Engineering of Architecture

Architectural Planning and Design

Historical Survey of Urban and Architecture

現代建築設計

建築設計

建築設計学

建築デザイン

建築・都市設計論

建築計画・

地域施設計画

近代建築史／

近代建築保存再生学

都市史・都市論

都市史

都市・建築遺産論

日本建築史・

伝統建築生産技術

西洋建築史・

建築論

建築構造

建築計画・設計

都市・建築サージェイ

MY RESEARCH



COSSON Camille Pauline
Doctoral Student (France)

How the 3.11 Disaster Impacted Design Processes Among Japanese Architects

I have always been interested in the culture, and especially the architecture of Japan, so when I had the chance to apply to an exchange program for a year during my master's degree, I was ecstatic. That year was full of new challenges and discoveries, so when I went back to France I knew that I wanted to come back to KIT for my doctoral studies. Thanks to the help of my KIT professor I had the great opportunity to join his laboratory to pursue my research. I am examining the effects of the Great East Japan Earthquake of 2011 on Japanese architecture to show how the effects of 3.11 have impacted design processes. I analyze architect discourses, approaches, and works. Indeed, studying and living in Kyoto is an extraordinarily valuable experience, which daily provides me great many opportunities to understand more about Japanese culture, architecture, and language.



京都工芸繊維大学・チェンマイ大学 国際連携建築学専攻

Joint Master's Degree Program in Architecture

Available Levels

Master's Programs

› Architecture

(Joint Degree Program in Collaboration with Chiang Mai University, Thailand)

In collaboration with Chiang Mai University in Thailand, students enrolled in this program focus on architectural design and historically-congruous architectural renovation maximizing the relevant historical and geographical characteristics of Kyoto and Chiang Mai. This program jointly awards a single diploma from Kyoto Institute of Technology and Chiang Mai University.

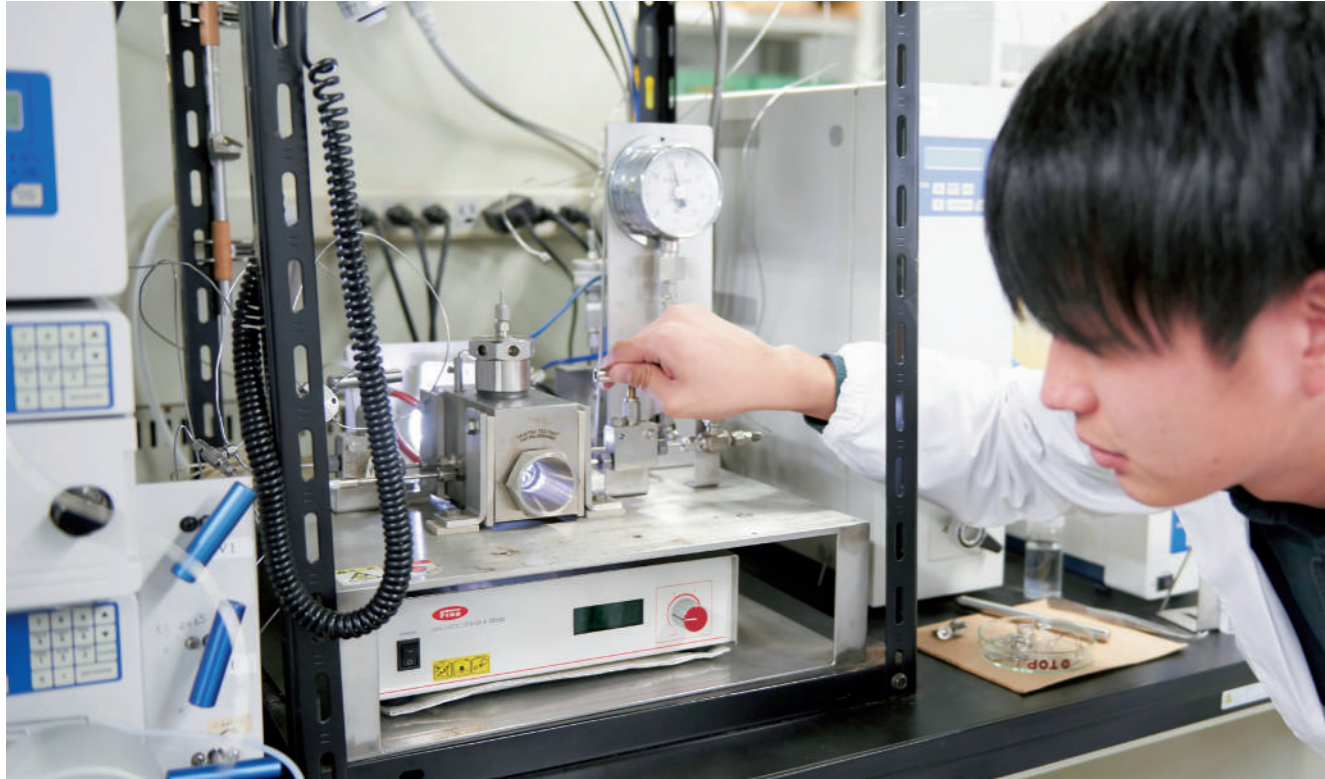
MY RESEARCH



UCHIGASHIMA Mizuki
Master's Student (Japan)

Comparing Endemic and Regional Architectural Characteristics

Beginning in August of 2019, I studied at Chiang Mai University through this program for four months. This was a great opportunity for me, as I research regional architectural differences and influences on them. Like Japan, Thailand is located in Asia and is a Buddhist country. Even so, I found that both life in general and the use of space and design in architecture are quite different in Thailand. The use of outdoor space is attractive. Especially in the street markets, many residents gather every day and the area serves as a community space. Despite the brevity of my stay, I made numerous discoveries and encountered many challenges that I would not have had otherwise. In many ways, Thailand is still a developing country, but I felt a richness in life there, that Japan does not seem to have. I think there are many aspects of Thailand that Japan would benefit from adopting.



先端ファイブ科学専攻 Advanced Fibro-Science

Available Levels

Master's Programs

› Advanced Fibro-Science

Doctoral Programs

› Advanced Fibro-Science

Our students master methods of environmentally-friendly product manufacture and study ways to construct analytical approaches of the unknown. Because there is no undergraduate program that feeds directly into Advanced Fibro-science, students come from a wide range of disciplines and are able to tailor textile science and engineering approaches to their research interests. Students design information media and products; quantify target-consumer perceptions of comfort, aesthetics, and tactile impressions from an information-engineering perspective; examine the cultural properties of textiles; apply data analysis techniques to textile heritage preservation, and analyze the knowledge inherent in traditional techniques such as braiding and weaving.

Laboratories

Textile Science

Soft Material Design

Textile Dyeing and Finishing

Fibro-design Engineering

Science on Lifetime Prediction

Composite Engineering

Media Engineering

Fibro-environmental Engineering

Bio-functional Materials

Smart Textile

Textiles product development

Visual psychology studies of textiles

テキスタイル科学

やわらかさデザイン

機能加工

ファイブ設計工学

機能材料

複合材料

メディア工学

ファイブ環境工学

バイオナノ材料

スマートテキスタイル

テキスタイル製品科学

テキスタイル視覚心理



バイオベースマテリアル学専攻 Biobased Materials Science

Available Levels

Master's Programs

› Biobased Materials Science

Doctoral Programs

› Biobased Materials Science

We explore new processes and create novel materials from plants and other renewable biomass resources. Because biobased materials are still inferior to macromolecular materials and products derived from petrochemical resources, nano-level structural analysis and investigation into the correlation between structure and physical properties are of the essence. Through feedback and further research, we can realize a low-carbon society. This program insures students have the multidisciplinary background necessary to perform the chemical and biological manipulation that produces practicable materials, interpret feedback, improve material functionality, and take materials to commercialization.

Laboratories

System Engineering for Bio-resources

Bio-based Materials Chemistry

Bio-functional Materials

Bio-nanofiber

Properties of Nanomaterials

生物資源システム工学

バイオベースマテリアル化学

バイオ機能材料

バイオナノファイバー

ナノ材料物性

MY RESEARCH

Advanced Textile Science: Sustainable Processing

I never had any concerns about living in Japan despite the language-related difficulties. I have been in love with Japan since the start. I realized how lucky I was to be here when I arrived at KIT in 2017 as an exchange student. At the laboratory where I work under Professor Okubayashi supervision I had much love, help, and support from my supervisor, lab mates and KIT staff. That motivated me to come back as a MEXT scholar Ph.D. candidate in 2018. KIT is one of the best institutes for textile research. The environment is rich in source material and leads this field in technological advancements. My laboratory specializes in supercritical fluids, electron-beam irradiation technology, and functional materials. Following the worldwide trend of adopting sustainability and eco-friendly technologies, I research the possibilities of waterless pre/post-treatment of cotton fabrics using a non-aqueous supercritical carbon dioxide medium.



GHANAYEM Heba Mehany Mohamed Ibrahim
Doctoral Student (Egypt)

MY RESEARCH

The Study of Confined Crystallization of Poly(ethylene glycol) in a Spherulite of Poly(L-lactic acid) Blend Specimen

I was fortunate in receiving a MEXT scholarship to pursue my doctoral studies at KIT. I belong to the Physical Properties of Nanomaterials laboratory, where I research the hierarchical structures of the biobased polymer blends viz. poly(L-lactic acid) (PLLA) and poly(ethylene glycol) (PEG). PLLA has been widely adapted worldwide due to its biodegradability; however, it is a brittle material and has a low crystallizability. This can be overcome by blending it with flexible materials such as PEG. My research involves the study of spherulite growth and crystallization behavior of PLLA/PEG blends using polarized optical microscopy (POM) and differential scanning calorimetry (DSC). More specifically, by varying the ratio of PLLA and PEG, we selected a PLLA/PEG (50/50) blend specimen to study its isothermal crystallization. This work should enable us to provide new alternative biobased materials through the study of the blends' detailed structural properties.



BANPEAN Apisit
Doctoral Student (Thailand)

Information for International Students

Degree Programs

Application Type	Undergraduate (4 yr.)	Master's (2 yr.)	Doctoral
1. Privately Financed International Student	○	○	○
2. International Transfer Student (3rd year only)	○	—	—
3. Japanese Government Scholarship Student	○	○	○
4. Foreign Government Sponsored Student	○	○	○
5. International Graduate Program (IGP)	—	○	○

1. Privately Financed International Students

Program	Application Period	Entrance Exam	Admission
Undergraduate (4 yr.)	Late August	Mid-September	April
Master's (2 yr.)	Early January	Early February	April
	Late June	Mid-August	Late September
Doctoral*	Early January	Early February	April
	Late June	Mid-August	Late September

*Note:
Upon request, the oral exam may take place through Skype, etc., for applicants residing abroad at the time of the exam.

2. International Transfer Students

KIT offers special admission to students who wish to transfer into the 3rd year of our undergraduate program.

3. Japanese Government Scholarship Students (Monbukagakusho Scholarship)

Applications should be submitted through the Japanese embassy or consulate in your country, or though a university in Japan.

Fees* (as of January 2020)			
Program	Entrance Exam fee	Admission fee	Tuition fee
Undergraduate	17,000 yen	282,000 yen	535,800 yen/year
Graduate	30,000 yen	282,000 yen	535,800 yen/year
IGP	30,000 yen	282,000 yen	535,800 yen/year

*Note: Fees and tuition are subject to change.

4. Foreign Government Sponsored Students

For details on applications and procedures, contact the appropriate government agency in your country of citizenship.

5. International Graduate Program (IGP)

Recommended persons from KIT partner institutions may apply to enter this special master's/doctoral course. All IGP classes and research instruction are conducted in English.

Course Types:
A. Combined FOUR-year Master's and Doctoral Course
B. TWO-year Master's Course
C. THREE-year Doctoral Course

For details on applications and procedures, see :
https://www.kit.ac.jp/en/prospective_student/

KIT Registration Fee and Tuition Exemption and Postponement Policies

KIT policy provides students with an outstanding academic record who are in need of financial aid, an opportunity to apply for complete or partial registration fee and tuition exemption/postponement.

Information (as of January 2020) on this is available on the KIT homepage.

Link: https://www.kit.ac.jp/campus_index/life_fee/

Short-term Program (non-degree)

Application Type	Undergraduate	Master's	Doctoral
1. Research Students	—	○	○
2. Exchange Programs	○	○	○
3. Laboratory Internships	○	○	○

1. Research Students

Every month, KIT accepts non-degree students who wish to conduct research under the guidance of a KIT faculty member as Research Students. Applicants must have a bachelor's degree or the equivalent.

2. Exchange Programs

Exchange programs are only available to students at KIT partner institutions. Such students may study at KIT for one semester or one academic year. Interested students enrolled at a KIT partner institution (see pages 10-11) must first consult and be approved by a coordinator at their home institution before applying for exchange at KIT.

3. Laboratory Internships

Internships provide students with an opportunity to concentrate on lab research on a specific topic, under the guidance of KIT instructors. Applicants must be international students who will participate in programs agreed upon by KIT and their home institutions.

Cost of Living in Japan

The average cost of living in Kyoto is 75,000 to 105,000 yen/month.

International Student Study Kyoto Network website:
<https://www.studykyoto.jp/en/life/livingexpenses/>

Scholarships for Privately Financed International Students

The Japan Student Services Organization (JASSO), local governments, and private scholarship organizations offer scholarships to privately funded international students with outstanding academic records who demonstrate financial difficulty. Most scholarships vary from approximately 50,000 to 100,000 yen per month. Apply after enrolling at KIT.

Website: https://www.jasso.go.jp/en/study_j/scholarships/brochure.html

National Health Insurance (Kokumin Kenko Hoken)

International students staying in Japan over 3 months are required to purchase this insurance which reduces medical costs by 70%.

Accommodation

I KIT International House (Marikoji Kaikan)(1-yr lease limit)

Monthly rent and fees (as of January 2020)		
Type of Room	Student Rent*	Researcher Rent*
Single Room	About 13,000 yen	About 15,000 yen
Couple Room	About 20,000 yen	About 29,000 yen
Family Room	About 33,000 yen	About 44,000 yen

*Note :
1. This includes a membership fee, internet service, common space services and utilities other than electricity. 2. Two months' rent is required in advance and a cleaning fee must be paid when moving in. 3. Amounts are subject to change.

College House Matsugasaki

Website: https://unilife.co.jp/area/area_keiji/matugasakigakuseikan/

Monthly rent and fees (as of January 2020)			
Monthly			First Month Only
Type of Room	Rent*	Other Fees	Fees and Deposit
1K	39,500 - 46,500 yen	6,000 yen	50,000 yen
1LDK	72,500 - 74,500 yen	8,000 yen	50,000 yen

*Note :
1. This includes a membership fee, and common space services. 2. Two months' rent is required in advance when moving in and a cleaning fee must be paid when moving out. 3. Amounts are subject to change.

I Kyoto Foreign Student House (2-yr lease limit)

Monthly rent and fees (as of January 2020)		
Type of Room	Rent	Common Services and Utilities*
Single Room	19,800 yen	5,000 yen

*Note :
1. This includes water, electricity and internet service. 2. An additional 4,000 yen is charged every month (for the cleaning fee, common areas fixtures and room equipment use). 3. Amounts are subject to change.



RAMFUL Raviduth
(Mauritius)

Doctoral student
Advanced Fibro-Science

In September of 2017, I received the prestigious MEXT scholarship from the Embassy of Japan in Mauritius to pursue my doctoral studies in Advanced Fibre Science at Kyoto Institute of Technology (KIT). Having served as an academic in the Mechanical and Production Engineering Department at the University of Mauritius since 2014, it was personally a difficult decision at that time to leave my job, family and country. However, upon my arrival to Japan, I knew right away that I had made the right choice based on the unique research environment. At the Softness and Design Laboratory of Professor Sakuma, all lab members tried their best to communicate in English despite the language barrier. My research field investigates the limitations of sustainable material durability through the study of fracture mechanics.

Having followed Japanese culture through the NHK World channel, I was persuaded in my decision by three factors, safety and security, cleanliness, and mindfulness. In my first year, I stayed at the KIT International House (Marikoji Kaikan) and became friends with students from all over the world. In 2018, I shifted to a private accommodation. Historical and world-heritage sites abound in this former thousand-year capital, making it an evocative place to live and Kyoto's strategic location in the Kansai region means major cities like Osaka, Kobe and Nara are less than an hour away by train.

To promote student interaction, KIT organizes notable activities such as a school festival and international welcome party. Additionally, through its dedicated International Affairs Office, KIT provides incomparable assistance to all its international students throughout their stay in Japan. The staff quickly address student queries regarding tuition fees, accommodation and visa extension.

Research Center and Facilities

Research Collaboration	Center for Industry-Academia-Government Collaboration	› Research Collaboration Office	
		› Intellectual Property Strategy Office	
		› Recurrent Education Promotion Office	
Strategic Hubs	Center for Design-centric Engineering	› KYOTO Design Lab	
		› Advanced Insect Research Promotion Center	› Department of Drosophila Genomics and Genetic Resources
			› Department of Bioresource Field Science
			› Department of Insect Biomedical Research
		› Advanced Manufacturing and Textile Science Research Promotion Hub	› Center for Manufacturing Technology
			› Center for Fiber and Textile Science
			› Future-Applied Conventional Technology Centre
		› Green Innovation Lab	
		› Materials Innovation Lab	
	Center for Needs-Initiated Projects		
	› Center for Rubber Science and Technology		
Community Outreach	Center for Community Promotion		
Institutes for Foundational Education and Research	› University Library		
	› Museum and Archives		
	› Center for Information Science		
	› Center for Environmental Science		
	› Center for Instrumental Analysis		
	› Isotope Laboratory		
	› Educational Program Center		
	› Student Support Center		
	› Admission Center		
	› International Center		
	› Health Care Service Center		
	› Center for Accessibility and Communication Assistance		
Advanced Technology Center			

Museum and Archives

When the Kyoto College of Industry, predecessor to the Faculty of Engineering and Design, was established in 1902 , the first faculty members brought back from abroad many important art works and artifacts to prepare new educational programs in design and industrial art. The KIT Museum and Archives, was established in 1980 to organize and display the collection and engage in collaborative research. Our archive of 48,000 art and craft works from many fields includes paintings, posters, sculptures, ceramics, metalwork, lacquer ware, specimens of dyeing and weaving, archeological finds and objects from daily life. Alongside this we have a collection of modern European posters and ancient and contemporary textiles. The collection centres on the value of design as a practical resource for design and architectural education.



Advanced Insect Research Promotion Center

The three departments of this corporate body work together to contribute to the science of human health, helping realize sustainable medicine, food and environments. To this end, the center actively invites joint health-science research projects from both domestic and foreign institutions.

Department of *Drosophila* Genomics and Genetic Resources

Established to serve the purposes of collecting, maintaining, and distributing *Drosophila* stocks worldwide, this department also conducts cutting edge research, to understand and discover new principles of biological function and evolution. With a better understanding of how life works, we can protect the environment and human health more fully.

Department of Bioresource Field Science

This new station for the education and research of applied entomology and applied botany primarily focuses on the biology of beneficial insects and crops. Students can also experience field work, and gain knowledge of farming practices through experience.

Department of Insect Biomedical Research

This department conducts biomedical research to explore medicines and diagnostic biomarkers using *Drosophila* and silkworms. Through advanced studies using these model insects, we work to elucidate the pathogenic mechanisms of intractable human diseases such as leukemia, diabetes and neurodegenerative diseases. We also aim to contribute to the field of degenerative medicine through the establishment of genetically modified silkworm strains which produce recombinant human proteins including several growth factors in their silk glands.



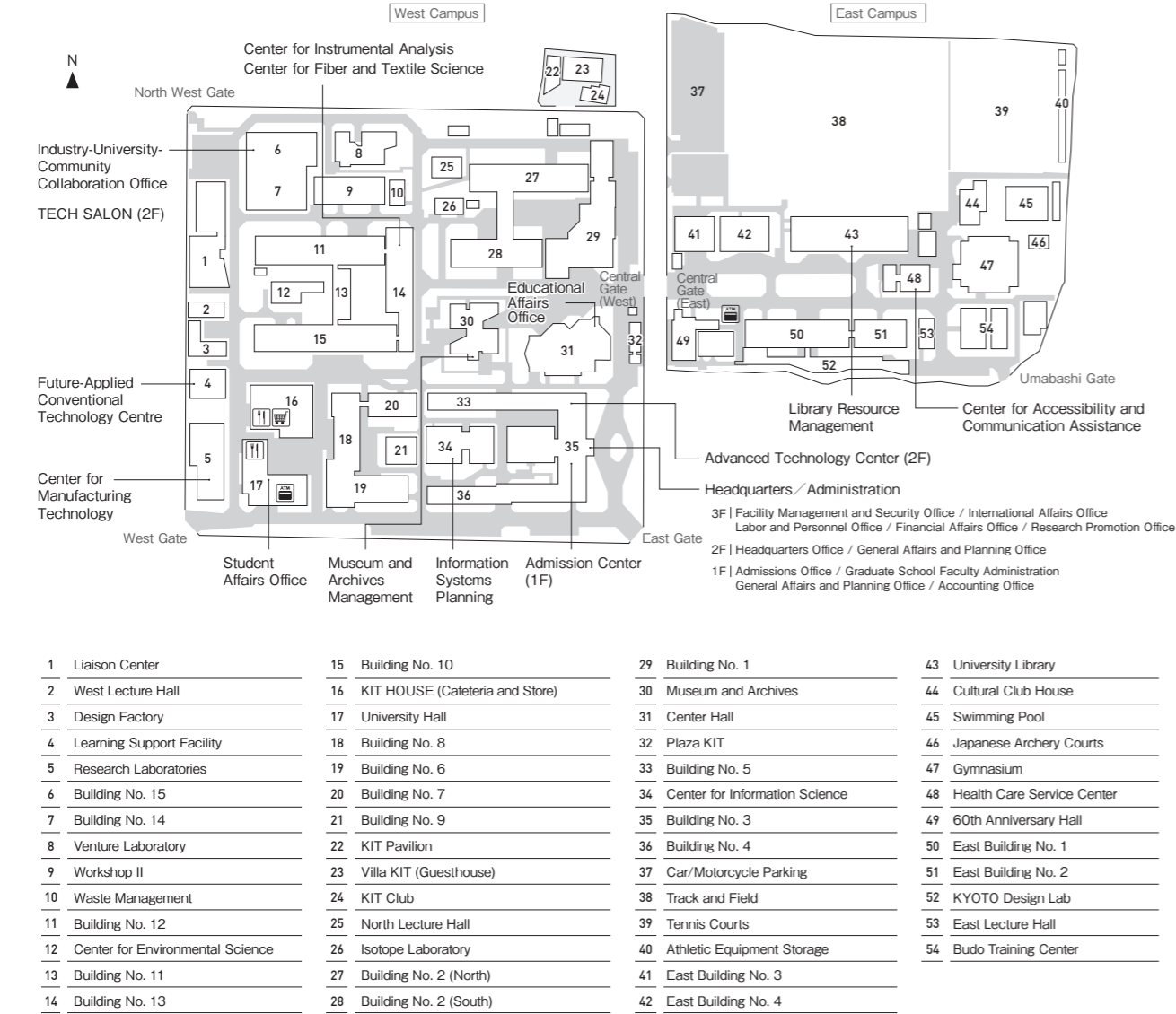
Center for Fiber and Textile Science

KIT has continued to provide high level of academic research opportunities and technological development in the field of fiber and textile science for over 100 years. This center demonstrates its importance as an educational and research platform at the east end of the Silk Road, an area with a proud geographic and cultural heritage. We remain dedicated to further development of fiber science, and endeavor to lead the world in technology of fiber science.

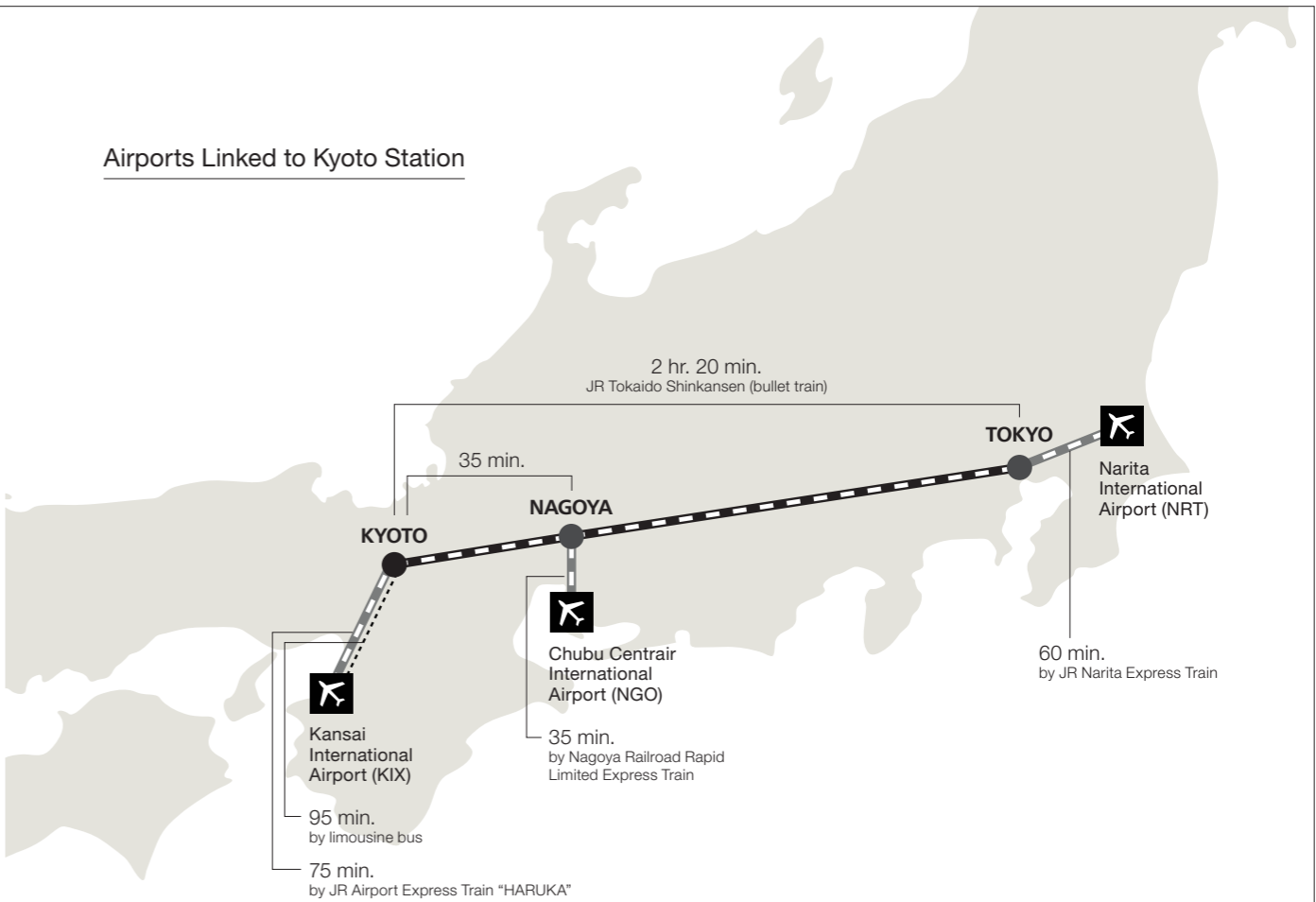


Campus Map / Access

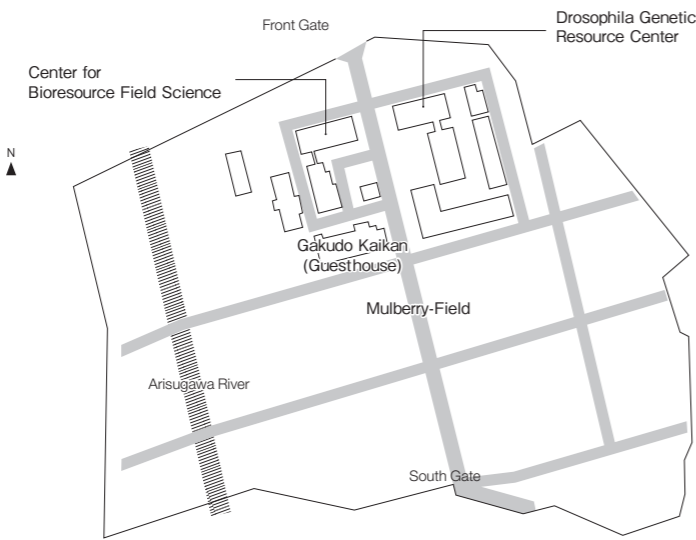
Matsugasaki Campus



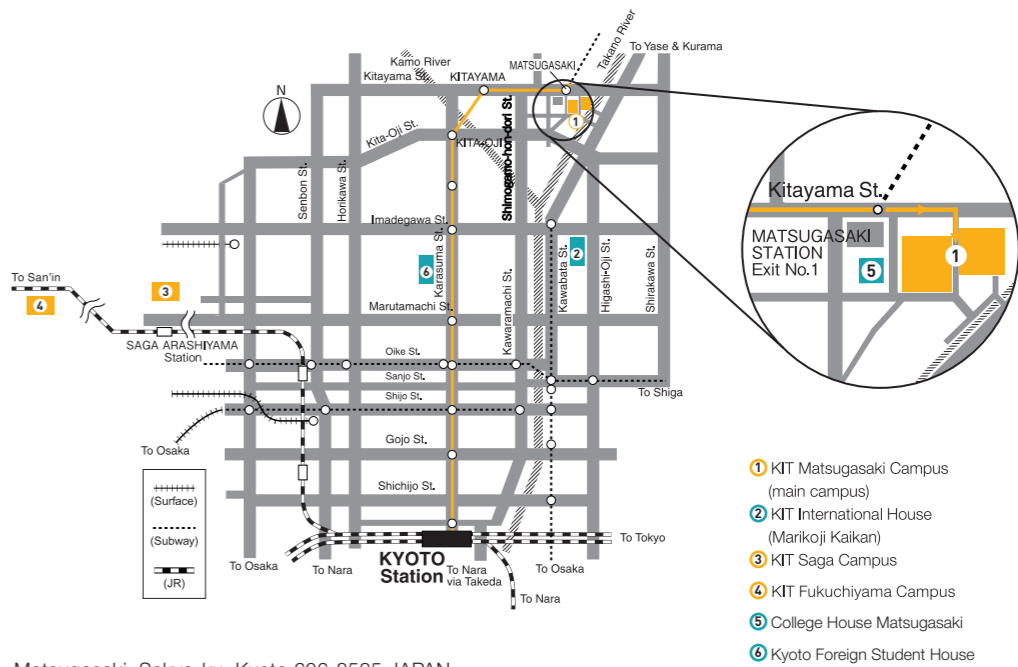
Airports Linked to Kyoto Station



Saga Campus



Campuses and Student Housing



Address : Matsugasaki, Sakyo-ku, Kyoto 606-8585 JAPAN
Contact (International Affairs Office) : kokusai@jim.kit.ac.jp / ses@jim.kit.ac.jp

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KYOTO INSTITUTE
OF TECHNOLOGY

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Applied Biology

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Materials Science

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Engineering Design

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Design

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Fiber Science
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