Toyohashi University of Technology
Graduate School of Engineering
Graduate School code: 52

Web site: 【http://www.tut.ac.jp/english/】

1. Graduate School code	52	
2. Maximum number of participants	5 Participants per year	
3. Fields of Study	□Environmental Science □Marine Science □Meteorology □Natual Disaster/ Disaster Prevention Science □Tourism □Politics □Economics □Sociology □Education ■Engineering □Agriculture (incl. Fisheries) □Geology □ICT □Medical Science □Others( )	
Sub Fields	Mechanical Engineering, Electrical and Electronic Information Engineering, Computer Science and Engineering, Environmental and Life Sciences, Architecture and Civil Engineering	
4. Program and Degree	Program	International Master's Degree Program
	Degree	Master of Engineering
5. Standard time table (Years needed for graduation)	2 years as a Master's student	
6. Language of Program	(1) Lecture: All lectures in English (2) Text: English and/or Japanese (3) Laboratory work: Generally instructed by the supervisor in English (4) Seminar: Seminars with Japanese students are generally in Japanese with support in English.	
7. Desirable English level and Necessary Academic background	Linguistic Ability	TOEIC:590, TOEFL(PBT):500, TOEFL(iBT):61, IELTS:5.5
	EJU, IELTS, GRE or else	
8. Prior Inquiry From Applicants (Before Submission of Application Documents)	E-mail address for inquiries; incoming@office.tut.ac.jp	
9. Website	http://www.tut.ac.jp/english/	
10. Professors and Associated Professors	See attached for the academic supervisor's list of each department. -Attachment 1: Department of Mechanical Engineering -Attachment 2: Department of Electrical and Electronic Information Engineering -Attachment 3: Department of Computer Science and Engineering -Attachment 4: Department of Environmental and Life Sciences -Attachment 5: Department of Architecture and Civil Engineering	
11. Features of University	Toyohashi University of Technology is a National University, established in 1976, and is located in Aichi prefecture, the central region of Japan, where the capital of Japanese industry field. The university's education is focused on its Graduate School of Engineering, and the university aims	

	at educating students in science and technology in areas that better help the society.
12. Features of Graduate School	Toyohashi University of Technology provides unique bachelor's, master's and doctoral course in technology that are geared toward producing creative, practical-minded leaders in different fields of technology, and the education received at our university also provides students with an appreciation of humanity, international perspectives and responsible coexistence with the environment.
13. Features and Curriculum of Program	Master of Engineering students are expected to complete the degree for two years, and must take the minimum credits required. Required credits for graduation are 6 credits in general subjects and 24 credits in specialized subjects. With permission from your supervisor, 6 credits in total can be substituted master's specialized subjects from other major.
14. Academic Schedule	See the website below; http://www.tut.ac.jp/english/student_life/calender.html

15. Supporting service to International Students	
International Students Support Center for Consulting or counseling about daily life, campus life, cross-cultural adjustment etc.	The Center for International Relations provides counseling and advising services for the international students about concerns or problems in your studies and everyday life.
Provision of Student Dormitory	Single room, couple room, family room is available for one year if there is a vacancy. See the website below for details; http://ignite.tut.ac.jp/cir/english/students/house.html
Japanese Language Education Program for International Students	Extra-curricular Japanese Classes are offered for new beginners to learn basic Japanese language skill necessary for everyday life. See the website below for details; http://www.tut.ac.jp/english/student_life/language.html
Cultural Activities	University offers study trip to visit Japan's advanced technology and historical places for better understanding Japan. See the website below for other information; http://ignite.tut.ac.jp/cir/english/event/studytrip.html
Any special attention to Religious Practice	We display the label of "pork and alcohol free menu" for several dishes at the university's cafeteria. You can pray in nearby Mosque within a five-minute walk from the university.
facilities (Library etc)	See the website below; http://www.tut.ac.jp/english/student_life/services.html
Please state other particular supporting service you are endeavoring, if any.	

16. Message to Prospective International Students	
Message from University	See the website below; http://www.tut.ac.jp/english/introduction/president.html
Voice of International Students	

【Attachment 1】
Department of Mechanical Engineering

Mechanical Systems Design

Name	Position	Field	Research Interests
Tadaharu Adachi Dr. Eng.	Professor	Solid Mechanics	(1)Mechanical properties of materials and composites (2)Impact Engineering
Shozo Kawamura Dr. Eng.	Professor	Mechanical Vibrations	(1)Modeling and Analysis of Structures (2)Inverse Analysis of Vibratory Systems
Takayuki Shibata Dr. Eng.	Professor	Precision Engineering Micro/Nanotechnology	(1)Micro/Nanofabrication (2)MEMS/NEMS (Micro/Nano Electro Mechanical Systems)
Ken-ichiro Mori Dr. Eng.	Professor	Forming Processes	(1)Forming Processes of Lightweight Parts (2)Finite Element Method for Forming Processes
Yohei Abe Dr. Eng.	Associate Professor	Forming Processes	(1)Forming Processes of Lightweight Parts (2)Joining Processes by Plastic Deformation
Yoshinori Takeichi Dr. Eng.	Associate Professor	Tribology	(1)Analysis of Solid Lubrication (2)Surface Analysis for Tribology
Tomohiko Ise Dr. Eng.	Lecturer	Mechanical Vibrations Machine Elements	(1)Measuring and Analysis of Vibration (2)Design of Fluid Bearings with Rotor dynamics
Moeto Nagai Ph.D. in Eng.	Lecturer	Micro-Nano Systems Engineering	(1) Single Cell Processing Systems for Life Science (2) Microorganisms-driven Intelligent Microsystems

Materials and Manufacturing

Name	Position	Field	Research Interests
Masanobu Izaki Dr. Eng.	Professor	Thin Film Science and Technology	(1)Preparation and Structural Controlling of Oxide Films (2)Study on High Performance Solar Cells
Masahiro Fukumoto Dr. Eng.	Professor	Joining Process	(1)Noble Coating Process by Means of Particle Deposition (2)Friction Stir Aided Innovative Welding Process between Dissimilar Materials
Hiromi Miura Dr. Eng.	Professor	Processing for Microstructural Control	(1)Severe Plastic Deformation for Ultrafine Grains in Metallic Materials (2)Dynamic and Static Recrystallization of Metallic Materials
Yoshikazu Todaka Dr. Eng.	Professor	Physical Metallurgy	(1)Structure and Property Control of Metallic Materials (2)Development and Characterization of Functional Materials
Masakazu Kobayashi Dr. Eng.	Associate Professor	Analysis and evaluation of material microstructure	(1)Characterization of microstructure in materials by high-resolution X-ray CT (2)Evaluation and control of microstructures in metals
Toshiaki Yasui Dr. Eng.	Associate Professor	Surface Modification Joining Process	(1)Surface Modification by Plasma and Ion Process (2)Welding between Dissimilar Materials by Friction Stirring
Seiji Yokoyama Dr. Eng.	Associate Professor	Physical Chemistry of Metals	(1)Recycle of Waste Materials (2)Properties of Metallic Materials

System Control and Robotics

Name	Position	Field	Research Interests
Zhong Zhang Dr. Eng.	Professor	Instrumentation Systems Engineering	(1)Signal, Image Processing Using Wavelet Transform (2)Intelligent System Using Neural Network
Naoki Uchiyama Dr. Eng.	Professor	Systems and Control Engineering	(1) Energy-Saving/Precision Control of Industrial Machines (2) Design and Control of Mechatronic Systems
Kaiji Sato Dr. Eng.	Professor	Precision Mechatronics Control Engineering	(1) Design and Control of Actuators, Intelligent Mechatronics and their Components (2) Practical Controller Design Method for High Performance Motion Systems
Takanori Miyoshi Dr. Eng.	Associate Professor	Automatic Control	(1)Human-Machine Cooperation with Power Assist System (2)Bilateral/Multi-lateral tele-control with force sense (3)Feedforward Control without Residual Vibration
Shigenori Sano Dr. Eng.	Associate Professor	Control Engineering and Identification	(1)Identification / Control of Mechanical system (2)Robotics / Mechatoronics
Tatsuhiko Sakaguchi Dr. Eng.	Associate Professor	Manufacturing Systems Engineering	(1) Scheduling (2) Supply Chain Management
Tomoaki Mashimo Dr. Eng.	Associate Professor	Actuators	(1) Micro actuators and micro robotics (2) Mechanism design and control

Environment and Energy

Name	Position	Field	Research Interests
Hideki Yanada Dr.Eng.	Professor	Fluid Engineering, Fluid Power Systems	(1) Development of high-performance filtration system for insulating liquids (2) Fundamental investigation and application of electrohydrodynamic (EHD) phenomena
Akiyoshi Iida Dr. Eng.	Professor	Fluid Dynamics, Aeroacoustics	(1) Control of Turbulent Flow (2) Study of Aeroacoustics and Development of Low Noise High-Speed Vehicles
Takashi Suzuki Dr. Eng.	Associate Professor	Thermal Engineering	(1)Gas-liquid Two-Phase Flow (2)Improvement of Liquid Atomization
Nobumasa Sekishita Dr. Eng.	Associate Professor	Fluid Dynamics	(1)Wind Tunnel Experiment of Turbulent Shear Flow (2)Development of Flow Measurements and Analysis
Yuji Nakamura Dr. Eng.	Associate Professor	Chemically Reacting Flow, Scale modeling	(1)Scale Modeling of Space Fire (2)Micro-scale Combustion
Hiroshi Yokoyama Dr. Eng.	Associate Professor	Computational Fluid Dynamics, Flow control	(1) Control of Flow and Aerodynamic Noise (2) Musical Instruments

【Attachment 2】

Department of Electrical and Electronic Information Engineering

Electronic Materials

Name	Position	Field	Research Interests
Mitsuo Fukuda Dr. Eng.	Professor	Photonics	(1) Nano-scale Photonic Devices (2) Research on Sensing and Measurement by using Lightwave
Atsunori Matsuda Dr. Eng.	Professor	Applied Materials Science	(1) Advanced Amorphous Materials (2) Inorganic-Organic Hybrid Materials (3) All-Solid-State New Batteries
Hironaga Uchida Dr. Eng.	Professor	Magnetics	(1) Nano-scale Magnetic Structures (2) Development of measurement methods
Hiroyuki Muto Dr. Eng.	Professor	Inorganic Materials Structural Ceramics	(1) Development of nano structure controlled functional ceramics (2) Deformation mechanisms and processes of structural ceramics
Yuichi Nakamura Dr. Eng.	Associate Professor	Electric Materials Processing	(1) Thermoelectric Materials and Systems (2) Functional materials and processing
Toshiaki Hattori Dr. Sci.	Associate Professor	Analytical Chemistry	(1) Electroanalytical Chemistry (2) Characterization of Polyelectrolyte
Takeshi Ishiyama Dr. Eng.	Associate Professor	Optical and Electronic Materials Engineering	(1) Semiconductor nanostructures (2) Optoelectronic devices
Hiroyuki Takagi Dr. Eng.	Associate Professor	Electronics Magnetics	(1) Nano-scale Magnetic Structures (2) Micro-magnetic Devices
LIM PANG BOEY Dr. Eng.	Associate Professor	Optical, Optical Memory and Application	(1) Hologram Memory (2) Evaluation of Hologram Material (3) Collinear Holography

Electrical Systems

Name	Position	Field	Research Interests
Yoji Sakurai Dr. Eng.	Professor	Electrochemical Energy Devices	(1) Next-Generation Lithium-Ion Batteries (2) Post Lithium-Ion Batteries
Hirofumi Takikawa Dr. Eng.	Professor	Plasma Technology and Application Engineering	(1) Plasma system and Applications (2) Surface and nanofilms (3) Renewable energy and related technology
Naohiro Hozumi Dr. Eng.	Professor	Measurement Techniques, Dielectrics and Electrical Insulation, Ultrasonics	(1) Ultrasonic micro-imaging techniques for medical and biological applications (2) Diagnosis and precise measurement for high voltage insulation systems
Ryoji Inada Dr. Eng.	Associate Professor	Electrochemical Energy Devices	(1) Next-Generation Lithium-Ion Batteries (2) Oxide-Based All-Solid-State Batteries
Yoshiyuki Suda Dr. Eng.	Associate Professor	Plasma Materials Engineering	(1) Carbon nanomaterials (2) Energy devices
Yoshinobu Murakami Dr. Eng.	Associate Professor	High Voltage Engineering	(1) Measurement on Dielectrics and Electrical Insulation (2) Development of functional insulating materials

Integrated Electronics

Name	Position	Field	Research Interests
Kazuaki Sawada Dr. Eng.	Professor	Semiconductor Devices	(1) Bio-sensing devices (2) Smart CMOS/CCD image sensors
Akihiro Wakahara Dr. Eng.	Professor	Crystal Growth Optoelectronics	(1) Heteroepitaxy and its applications to optoelectronics (2) Optoelectronic integrated devices/system on Si-based ICs and MEMS
Yasuhiko Ishikawa Dr. Eng.	Professor	Photonic Devices	(1) Silicon photonics (2) SiGe heteroepitaxy
Takeshi Kawano Dr. Eng.	Associate Professor	Micro/Nano Devices, Neural Interface Devices	(1) Neural interface devices (2) Nanoscale neuroprobes (3) Integration of Mirco/Nano devices
Hiroto Sekiguchi Dr. Eng.	Associate Professor	Crystal Growth Optical Devices	(1) Heteroepitaxial Nitride-based Devices (2) Semiconductor nanostructure for optical devices
Hiroshi Okada Dr. Eng.	Associate Professor	Semiconductor Devices	(1) Compound semiconductor based electronic devices and integrated systems (2) Nano materials and fabrication processes for electronic devices
Kazuhiro Takahashi Dr. Eng.	Lecturer	Micro/Nano Electro Mechanical Systems	(1) BioMEMS sensor (2) MEMS-based optical devices

Information and Communication Systems

Name	Position	Field	Research Interests
Takashi Ohira Dr. Eng.	Professor	Wave Engineering	(1) Microwave Circuits (2) Wireless Power Transfer
Shuichi Ichikawa Dr. Sci.	Professor	Computer Science, Computer Architecture, Parallel Processing	(1) Custom computing & special-purpose computer architecture (2) System Security and Information Security (3) Parallel Processing and High Performance Computing
Hideyuki Uehara Dr. Eng.	Professor	Communication Engineering	(1) Wireless Access Protocols (2) Ad hoc and Sensor Networks
Masaya Tamura Dr. Informatics	Associate Professor	Microwave Engineering	(1) Microwave Filter (2) Wireless Power Transfer under Water
Keigo Takeuchi Dr. Informatics	Associate Professor	Information and Communication Engineering	(1) Wireless Communications (2) Multi-Antenna Systems (3) Space-Time Signal Processing

【Attachment 3】
Department of Computer Science and Engineering

Computer and Mathematics Sciences

Name	Position	Field	Research Interests
Yoshiteru Ishida Dr. Eng.	Professor	System and Information Science	(1) Biological Information System and Complex Systems (2) Intelligent Information Processing
Toshihiro Fujito Ph. D.	Professor	Computer Science	(1) Algorithms (2) Combinatorial Optimization
Kazuhisa Kawai Dr. Eng.	Associate Professor	Computer Science and Engineering	(1) Computers and Education (2) Science Communication
Noriyuki Kurita Dr. Eng.	Associate Professor	Quantum Biology Bio-informatics	(1) Ab Initio Molecular Simulations for Biological Molecules (2) In Silico Drug Discovery for Alzheimer's Disease
Hitoshi Goto Dr. Sci.	Associate Professor	Computational Chemistry, Chem-Bio Infomatics, High-Performance Computing	(1) Exploring Molecular Conformation and Crystal Structure Polymorphism (2) Protein-Ligand Docking Simulation by using Coarse-Grained Potentials (3) Molecular Activity and Material Property Prediction by using Deep Neural Nets

Data Informatics

Name	Position	Field	Research Interests
Masaki Aono Ph. D.	Professor	Data and Text Mining, Multimedia Information Retrieval, Deep Learning	(1) Data Mining (Opinion, Intent, Time Series) (2) Information Retrieval (3D, Image, Video) (3) Deep Learning Applications (captioning)
Kyoji Umemura Dr. Eng.	Professor	Information Engineering	(1) Internet Application (2) Information Retrieval
Hitoshi Isahara Ph. D.	Professor	Computational Linguistics	(1) Natural Language Processing (2) Machine Translation
Tomoyoshi Akiba Dr. Eng.	Associate Professor	Natural Language Processing, Language Modeling, Large-scale Text Processing	(1) Natural Language Processing (2) Language Modeling
Masatoshi Tsuchiya Ph. D.	Associate Professor	Applied Information System Engineering	(1) Natural Language Processing (2) Web information system (3) User authentication
Kazuho Watanabe Dr. Eng.	Lecturer	Statistical Learning and Inference	(1) Statistical Learning Theory (2) Machine Learning Algorithms

Human and Brain Informatics

Name	Position	Field	Research Interests
Yoshimasa Takahashi Ph. D.	Professor	Molecular Information Science/ Chemometrics	(1) Mathematical profiling of molecular structure (2) Artificial intelligent for chemistry
Shigeki Nakauchi Dr. Eng.	Professor	Computational Neuroscience	(1) Vision Science (2) Image Technology
Michiteru Kitazaki Ph. D.	Professor	Perceptual Psychology, Cognitive Neuroscience, Virtual Reality	(1) Perception and action of mobile observers. (2) Perceptual reality and virtual reality. (3) Implicit social cognition on empathy, moral and interaction.
Naohiro Fukumura Dr. Eng.	Associate Professor	Computational Neuroscience	(1) Computational Theory of Human Motor Control (2) Learning Models for Sensory-Motor Transformation
Kazushi Murakoshi Dr. Eng.	Associate Professor	Computational Intelligence, Neural Informaion Science	Mechanisms of humans or animals information processing approach by the information science method based on both psychological and physiological data
Kowa Koida Dr. Eng.	Associate Professor	Visual neuroscience	(1) Neural basis for visual sensation and cognition (2) Developping innovative methods for neuroscience
Tetsuto Minami Ph. D.	Associate Professor	Cognitive Neuroscience	Our approach is to use non-invasive method for measuring brain such as EEG, to clarify our cognition and behavior and apply these results to brain-machine interface (BCI) and neuromarketing.

Media Informatics and Robotics

Name	Position	Field	Research Interests
Michio Okada Dr. Eng.	Professor	Interaction and Communication Design	(1) Social Robotics (2) Human-Robot Interaction (3) Cognitive Science in Communication
Shigeru Kuriyama Dr. Eng.	Professor	Computer Graphics and Visual Media Interaction	(1) Humanoid Animations and Digital Humans (2) Illustration Processing for Style and Fabrication (3) Smart lighting and Illuminations
Jun Miura Dr. Eng.	Professor	Intelligent Robotics	(1) Intelligent mobile robots / Personal service robots (2) Visual scene recognition (3) Human-robot interaction.
Yasushi Kanazawa Dr. Eng.	Associate Professor	Computer Vision Image Processing	(1) Image Matching for 3-D reconstruction (2) 3-D scene reconstruction from images (3) Image processing for dichromats
Yasuyuki Sugaya Dr. Eng.	Associate Professor	Computer Vision	(1) Mixed Reality (2) Ellipse detection and fitting (3) 3D reconstruction from images
Ren Ohmura Dr. Eng.	Lecturer	Ubiquitous Computing, Real World Information Processing, System Software	(1) Processing method of real world information derived through sensor-networks, (2) Applications based on human context, (3) Computer architecture and systems for supporting (1) and (2).

【Attachment 4】
Department of Environmental and Life Sciences

Advanced Environmental Technology

Name	Position	Field	Research Interests
Saburo Tanaka Dr. Eng.	Professor	Sensor Engineering Applied Physics	(1) Application of SQUID magnetic sensor (2) Thin film fabrication
Akihiko Matsumoto Ph.D.	Professor	Adsorption science Porous materials Environmental adsorption technology	(1) Surface functionalization of porous solids and characterization of molecular adsorption (2) Adsorption separation technology for environmental protection
Kazunori Takashima Dr. Eng.	Professor	Applied High voltage Engineering	(1) Environmental pollution control using discharge plasma (2) Electrostatic micro-manipulation of DNA molecules
Hiromi Nakano Dr. Eng.	Professor	Ceramics Transmission electron microscope	(1) Synthesis of new phosphors (2) Property and structural analysis for anisotropic material (3) Characterization of ceramics by TEM
Tatsuo Oguchi Ph.D.	Associate Professor	Combustion Chemistry Reaction Mechanism	(1) Elementary reaction analysis for combustion and environmental chemistry (2) Reaction modelling and development for combustion system
Seiichiro Ariyoshi Dr. Eng.	Associate Professor	Sensor Engineering Applied Physics	(1) Terahertz superconducting detectors (2) Terahertz imaging spectroscopy (3) Terahertz-wave applications

Ecological Engineering

Name	Position	Field	Research Interests
Takanori Mizushima Dr. Sci.	Professor	Functional Catalytic System Engineering	(1) Development of high-performance system for catalytic reactions
Hiroyuki Daimon Ph.D	Professor	Waste Management Supercritical Fluid Engineering	(1)Production and utilization of biomass environmental information analysis (2) Application of supercritical fluid technologies
Takayuki Tokairin Ph.D.	Lecturer	Urban thermal environment, Atmospheric environment	(1) Development of a numerical model for the evaluation of thermal environment in urban. (2) Application of computational fluid dynamics model for agriculture.

Bioscience and Biotechnology

Name	Position	Field	Research Interests
Toshihiko Eki Ph.D.	Professor	Molecular Genetics Biochemistry	(1) Analysis of Dicer-related Helicases in C. elegans (2) Yeast- and Nematode-based bioscience and biotechnology
Terumichi Tanaka Dr. Agri.	Associate Professor	Biochemistry Molecular Biology	(1) Analysis on transfer RNA-related enzymes (2) Creation and analysis of new type RNA protease inhibitor
Eri Yoshida Dr. Eng.	Associate Professor	Colloid Chemistry Polymer Chemistry	(1) Self-Assembly of polymer surfactants (2) Controlled/Living radical polymerization
Rika Numano Ph.D.	Associate Professor	Molecular Biology Neuroscience Chronobiology	(1)Functional analysis of chronobiology (2)Optogenetics research of neuroscience (3)Technical development for regenerative medicine
Atsushi Nakabachi Ph.D.	Associate Professor	Biology of Symbiosis, Entomology, Microbiology	(1) Elucidation of the mechanism of fusion between distantly-related organisms (2) Development of environment-friendly pest control methods (3) Discovery of bioactive substances from symbiotic bacteria
Sachiko Yoshida Ph.D.	Lecturer	Physiology, Developmental Neuroscience	(1) Dynamics of cerebellar development (2) Biosensing for artificial organs, brain systems and cancer
Takeshi Yamada Dr. Eng.	Lecturer	Microbiology Environmental Biotechnology	(1) Biological wastewater & waste treatment (2) Ecophysiology of microorganisms (3) Detection technology for microorganisms

Molecular Chemistry

Name	Position	Field	Research Interests
Shinichi Itsuno Dr. Eng.	Professor	Polymer Synthesis, Organic Synthesis	(1) Synthesis of optically active polymers (2) Design of polymeric chiral catalyst for asymmetric synthesis
Seiji Iwasa Dr. Eng.	Professor	Organic Synthesis	(1) Total synthesis of bioactive organic compounds (2) Development of catalytic asymmetric reactions (3) Development of molecular sensors
Hideto Tsuji Dr. Eng.	Professor	Polymer Chemistry	(1) Synthesis and characterization of biobased polymers
Yoshihiro Saito Dr. Eng.	Professor	Separation Chemistry	(1) Development of novel microscale sample preparation method (2) Miniaturization and hyphenation of separation techniques
Kazutaka Shibatomi Ph.D.	Associate Professor	Organic Chemistry	(1) Design and synthesis of new chiral catalysts (2) Development of asymmetric reactions (3) Synthesis of biologically active molecules
Naoki Haraguchi Ph.D	Associate Professor	Polymer Chemistry Organic Chemistry	(1) Synthesis of functional polymer microsphere (2) Synthesis of polymeric chiral organocatalyst
Ryugo Tero Dr. Sci.	Associate Professor	Physical Chemistry of Interfaces	(1) Artificial lipid bilayer membranes at solid-liquid interfaces (2) Activities of proteins on and in lipid bilayers (3) Bimolecular membranes on single atomic sheet: lipid bilayers on graphene derivatives

【Attachment 5】
Department of Architecture and Civil Engineering

Architecture and Urban Design

Name	Position	Field	Research Interests
Taiki Saito Dr. Eng.	Professor	Seismic Engineering	(1) Earthquake response analysis of buildings and non-structural elements (2) Seismic isolation and response control techniques for buildings
Shiro Matsushima Dr. Design.	Professor	Housing Planning and Design, Design Technology and Management	(1) Planning of Housing, Architectural Design and Interior Design (2) Design Technology and Project Management
Shoji Nakazawa Dr. Eng.	Professor	Structural Engineering	(1) Buckling analysis and seismic response analysis of shell and spatial structures (2) Development of a seismic resistant performance evaluation technique based on seismic risk analysis (3) Development of a grid computing system for solving a structural optimization problem and a seismic risk
Junichiro Asano Dr. Eng.	Professor	Urban Planning	(1) Development and Application of Land Use Control (2) History of Urban Planning in Modern Era
Kazuyo Tsuzuki Ph.D.	Professor	Building Environmental Engineering, Environmental Ergonomics	(1) Thermal comfort, human thermal physiology, sleep, and cognitive performance (2) Housing retrofit and its health effects on human occupants
Yasuyuki Nakamori Ph.D.in Literature	Professor	Japanese Literature Architectural Theory	(1) Haikai; Basyo, sikou, tyoumu (2) Architectural Theory of William Merrell Vories
Tomoya Matsui Dr. Eng.	Associate Professor	Building Structural Engineering	(1) Evaluation of Seismic resistant performance of RC buildings (2) Development of Composite Concrete Encased Steel Structural System (3) Development of Retrofit Method of Building
Yukihiro Matsumoto Dr. Eng.	Associate Professor	Structural Engineering	(1) Buckling and Seismic design methodology for shells and space structures (2) Structural Design Methodology of Hybrid Structures using Fibre Reinforced Polymer (FRP) (3) Structural Health Monitoring (SHM) using Fibre Optic Sensors
Akihiro Mizutani Ph.D.	Lecturer	Architectural Design, Urban Design	(1) Theory of computational design in architecture (2) History of computational design in modernist architecture (3) Morphological analysis of architecture and cities with computer simulation

Urban and Regional Management

Name	Position	Field	Research Interests
Takanobu Inoue Dr. Eng.	Professor	Water Environment Engineering	(1) Water Quality Analysis of Fresh Water (2) Water Conservation Engineering
Kinya Miura Dr. Eng.	Professor	Geotechnical Engineering and Applied Mechanics	(1) Evaluation of Seismic Resistance and Seismic Design of Ground-Structure System (2) Coupled Water-Heat-Deformation Analysis of Ground and Soil Structure
Yuzuru Miyata Ph. D. Environmental Science	Professor	Environmental Economics, Economic Analysis of Cities and Regions	(1) Environmental economics. (2) Theoretical consideration and/or empirical study of the economies of cities and/or regions.
Shigeru Kato Dr. Eng.	Professor	Coastal Engineering, Coastal Disaster Mitigation	(1) Sediment Dynamics and Topographic Changes in Coastal and River-mouth Region (2) Natural Disaster in Coastal Zone
Takao Fujiwara Doctor of Economics	Professor	Management of Technology	(1) Ecosystem of high tech start-ups (2) Investment analysis on social infrastructure Risk management of techno & social changes
Hiroyuki Shibusawa Dr. Eng.	Associate Professor	Regional and Urban Economics Computational Economics	(1) Socio-Economic System Engineering (2) Evaluation of Urban and Regional Economic Systems (3) Input-Output Analysis
Kuriko Yokota Dr. Eng.	Associate Professor	Water Environmental Chemistry	(1) Water Quality Analysis (2) Material dynamics of water environment
Nao Sugiki Dr. Environment and Information Studies	Associate Professor	Transportation Engineering, Infrastructure Planning	(1) Future Public Services Demand Estimation and Policy Evaluation (2) Land-Use and Transport Model (3) Land-Use Micro-Simulation System
Tatsuya Matsuda Dr. Eng.	Lecturer	Geomechanics Applied Mechanics	(1) Study on the stability of seabed under the structure due to Earthquake and Tsunami (2) Fundamental study of the liquefaction in the ground due to sea wave