

**List of Faculties**  
**Tokyo Institute of Technology International Graduate Program (A)**  
**Commencing in September 2018 Overseas Application**

**(A)-1 Super Smart Society Engineering Program**

**(1)Dept. of Mechanical Engineering**

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	AOKI, Takayuki	Multi-phase Flow Simulation, Large-scale Computational Fluid Dynamics, GPU Computing		• Mechanical Engineering • Energy Science and Engineering
Professor	HANAMURA, Katsunori	Environmental Thermal Engineering		• Energy Science and Engineering • Mechanical Engineering
Professor	HATSUZAWA, Takeshi	Bio-MEMS/NEMS		• Human Centered Science and Biomedical Engineering • Mechanical Engineering
Professor	HIRAI, Shuichiro	Global Environment Engineering		• Mechanical Engineering • Energy Science and Engineering
Professor	HIRATA, Atsushi	Surface Engineering		Mechanical Engineering
Professor	☆☆INOUE, Norio	Biomechanics		• Human Centered Science and Biomedical Engineering • Mechanical Engineering
Professor	INOUE, Hirotosugu	Mechanics of Materials, Non-destructive Testing		Mechanical Engineering
Professor	INOUE, Takayoshi	Heat Transfer, Microscale Thermal Engineering, Thermal Management Technologies for Aerospace Engineering		• Mechanical Engineering • Energy Science and Engineering
Professor	IWATSUKI, Nobuyuki	Human Friendly Systems, Silent Engineering		• Mechanical Engineering • Engineering Sciences and Design
Professor	KOSAKA, Hidenori	Thermodynamics, Fluid Dynamics, Internal Combustion Engine		• Mechanical Engineering • Energy Science and Engineering
Professor	☆☆KYOGOKU, Keiji	Tribology		• Mechanical Engineering • Energy Science and Engineering
Professor	MATUNAGA, Saburo	Space Systems Engineering, Space Robotics, Small Satellite Systems		• Engineering Sciences and Design • Mechanical Engineering
Professor	NOZAKI, Tomohiro	Plasma Materials Science, Reaction Engineering, Thermal Engineering		• Energy Science and Engineering • Mechanical Engineering
Professor	OHTAKE, Naoto	Manufacturing Science and Technology		• Mechanical Engineering • Engineering Sciences and Design
Professor	OKADA, Masafumi	Robotics, Control Engineering		• Engineering Sciences and Design • Mechanical Engineering
Professor	OKAMURA, Tetsuji	Cryogenics, Cooling/Refrigeration Technology, Superconducting Magnet Technology		• Mechanical Engineering • Energy Science and Engineering
Professor	OKUNO, Yoshihiro	Physics and Application of Magnetohydrodynamics, MHD Power Generation, Plasma Science and Engineering		• Energy Science and Engineering • Mechanical Engineering
Professor	SAITO, Shigeki	Micromechanics, Micro Robotics, Engineering Design		• Engineering Sciences and Design • Mechanical Engineering
Professor	SATOH, Isao	Energy Applications		• Mechanical Engineering • Energy Science and Engineering
Professor	SHINNO, Hidenori	Ultraprecision Machining, Machine Tools		• Engineering Sciences and Design • Mechanical Engineering
Professor	SHINSHI, Tadahiko	Precision Mechatronics, Magnetic MEMS, Artificial Heart		• Mechanical Engineering • Human Centered Science and Biomedical Engineering

Professor	SUEKANE, Tetsuya	CO2 Geological Storage, Enhanced Oil Recovery, Transport in Porous Media		• Energy Science and Engineering • Mechanical Engineering
Professor	SUZUMORI, Koichi	Robotics, Soft Robotics, Actuator		Mechanical Engineering
Professor	TAKEDA, Yukio	Mechanical Systems Design		• Mechanical Engineering • Engineering Sciences and Design
Professor	TANAHASHI, Mamoru	Fluid Dynamics, Heat and Mass Transfer, Combustion		• Energy Science and Engineering • Mechanical Engineering
Professor	XIAO, Feng	Fluid Dynamics, Computational Fluid Dynamics, Numerical Analysis, Computational Physics		• Mechanical Engineering • Energy Science and Engineering
Professor	YAMAURA, Hiroshi	Mechatronics, Dynamics, Control		Mechanical Engineering
Professor	YANAGIDA, Yasuko	Bio-MEMS/NEMS, Biosensing, Biofunctional Engineering		• Human Centered Science and Biomedical Engineering • Mechanical Engineering
Professor	YOSHIDA, Kazuhiro	Fluid Power Micromachines, Microactuators, Functional Fluid Application		• Engineering Sciences and Design • Mechanical Engineering • Energy Science and Engineering
Professor	YOSHINO, Masahiko	Nano/micro Manufacturing, Metalforming, Machining		Mechanical Engineering
Associate Professor	AKASAKA, Hiroki	Synthesis and Evaluation of Inorganic Carbon Materials		• Mechanical Engineering • Engineering Sciences and Design
Associate Professor	AONO, Yuko	Functional Surface and Thin Film, Laser Processing		• Mechanical Engineering
Associate Professor	ENDO, Gen	Robotics, Mechatronics, Mechanism Design		Mechanical Engineering
Associate Professor	FURUYA, Hiroshi	Space Structure Engineering, Structural Analysis and Design, Optimization		• Mechanical Engineering • Engineering Sciences and Design
Associate Professor	FUSHINOBU, Kazuyoshi	Energy Phenomena, Thermal Engineering		Mechanical Engineering
Associate Professor	HARA, Seiichiro	Surface Metrology, Measurement Information Processing		Mechanical Engineering
Associate Professor	HASEGAWA, Jun	Plasma Science and Technology, Ion Beam Application Studies, Inertial Fusion Studies, High Energy Density Science, Radiation Physics		• Mechanical Engineering • Energy Science and Engineering
Associate Professor	HIJIKATA, Wataru	Mechatronics, Medical Device, Wireless Power Transmission		• Engineering Sciences and Design • Mechanical Engineering
Associate Professor	☆☆HORIUTI, Kiyosi	Fluid Physics, Turbulence		• Mechanical Engineering • Energy Science and Engineering
Associate Professor	INABA, Kazuaki	Continuum Mechanics		• Engineering Sciences and Design • Mechanical Engineering
Associate Professor	KIKURA, Hiroshige	Nuclear Reactor Safety, Process Control and Measurement System, Thermal Hydraulics, Safe Transport of Radioactive Material		Nuclear Engineering
Associate Professor	KIM, Joon-wan	MEMS, Micro Mechatronics, Bio Mechatronics		• Mechanical Engineering • Human Centered Science and Biomedical Engineering
Associate Professor	MATSUMURA, Shigeki	Vibration Measurement and Analysis		• Engineering Sciences and Design • Mechanical Engineering
Associate Professor	MIZUTANI, Yoshihiro	Structural Reliability Engineering		• Mechanical Engineering • Engineering Sciences and Design
Associate Professor	MOUGENOT, Celine	Design Engineering		• Engineering Sciences and Design • Mechanical Engineering
Associate Professor	MURAKAMI, Yoichi	Molecular Energy Engineering, Thermal Engineering, Photon Engineering, Functional Materials Development		• Mechanical Engineering • Energy Science and Engineering

Associate Professor	NAGASAKI, Takao	Thermal Engineering, Heat and Mass Transfer with Phase Change, Numerical Analysis of Heat and Fluid Flow		• Energy Science and Engineering • Mechanical Engineering
Associate Professor	NAKANO, Yutaka	Vibration Engineering		Mechanical Engineering
Associate Professor	NAKANISHI Hiroki	Space Engineering, Robotics		Mechanical Engineering
Associate Professor	NISHISAKO, Takashi	Nano/micro Fluid, Emulsion, Micro Chemistry, Bio chemistry, MEMS		Mechanical Engineering
Associate Professor	OKAWA, Seiji	Thermal Science and Engineering		• Energy Science and Engineering • Mechanical Engineering
Associate Professor	OSHIMA, Shuzo	Fluid Science and Engineering		• Mechanical Engineering • Energy Science and Engineering
Associate Professor	SAITO, Takushi	Laser Assisted Manufacturing, Materials Processing		• Mechanical Engineering • Energy Science and Engineering
Associate Professor	SAKAGUCHI, Motoki	Mechanics and Strength of Materials		Mechanical Engineering
Associate Professor	SAKAMOTO, Hiraku	Space Structures, Dynamics, Numerical Analysis		• Engineering Sciences and Design • Mechanical Engineering
Associate Professor	SASABE, Takashi	Advanced Energy Engineering		• Mechanical Engineering • Energy Science and Engineering
Associate Professor	SATO, Chiaki	Adhesion Technology, Composite Materials		• Mechanical Engineering • Engineering Sciences and Design
Associate Professor	SATO, Susumu	Thermodynamics, Combustion Reaction, Exhaust Emission, Alternative Fuel		• Mechanical Engineering • Energy Science and Engineering
Associate Professor	SHIMURA, Masayasu	Fluid Dynamics, Heat and Mass Transfer, Combustion, Combustion Control		• Energy Science and Engineering • Mechanical Engineering
Associate Professor	SUGAHARA, Yusuke	Mechanical Systems Design		• Mechanical Engineering • Engineering Sciences and Design
Associate Professor	TADANO, Kotaro	Medical Robots, Man-Machine System		• Human Centered Science and Biomedical Engineering • Mechanical Engineering
Associate Professor	TANAKA, Hiroto	Biomimetics, Biomechanics of Animal Flight and Swimming, Flapping-wing Aerial Robotics		Mechanical Engineering
Associate Professor	TANAKA, Tomohisa	Production engineering, Manufacturing, Tribology		Mechanical Engineering
Associate Professor	YAGI, Tohru	Neural Engineering, Human Interface, Vision		• Human Centered Science and Biomedical Engineering • Engineering Sciences and Design • Mechanical Engineering
Associate Professor	YAMAMOTO, Takatoki	Bionanotechnology, Micro TAS		• Mechanical Engineering • Human Centered Science and Biomedical Engineering
Associate Professor	YAMAZAKI, Takahisa	Materials for Space Use, Advanced Joining and Surface Coating		• Mechanical Engineering • Engineering Sciences and Design
Associate Professor	YOSHIDA, Takako	Applied Brain Science		• Mechanical Engineering • Human Centered Science and Biomedical Engineering
Associate Professor	YOSHIOKA, Hayato	Ultraprecision Mechanical System		• Mechanical Engineering • Engineering Sciences and Design

☆ ☆ indicates a professor who will retire in March, 2019.

## (2) Dept. of System and Control Engineering

Professor	AMAYA, Kenji	Inverse Problems, Computational Mechanics, Electrochemical Analysis, Optical Analysis		Systems and Control Engineering
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Professor	FUJITA, Masayuki	Systems and Control		Systems and Control Engineering
Professor	HACHIYA, Hiroyuki	Ultrasonic Measurements, Acoustic Imaging		Systems and Control Engineering
Professor	IMURA, Jun-ichi	Control Theory, Control of Large-Scale Systems, Hybrid System Theory		Systems and Control Engineering
Professor	KOSAKA, Hidenori	Thermodynamics, Fluid Dynamics, Internal Combustion Engine		Systems and Control Engineering
Professor	KURABAYASHI, Daisuke	Biorobotic systems, Distributed systems, Motion planning		*Systems and Control Engineering *Engineering Sciences and Design
Visiting Professor	*NAKADAI, Kazuhiro	Robot Audition, Computational Auditory Scene Analysis, Human-Machine Interaction		Systems and Control Engineering
Professor	NAKASHIMA, Motomu	Sports Engineering, Biomechanics, Biorobotics, Musculoskeletal Analysis, Welfare Engineering		Systems and Control Engineering
Professor	OKUTOMI, Masatoshi	Computer Vision, Image Processing		Systems and Control Engineering
Professor	SAMPEI, Mitsuji	Control Theory		*Systems and Control Engineering *Engineering Sciences and Design
Associate Professor	HARA, Seiichiro	Surface Metrology, Measurement Information Processing		Systems and Control Engineering
Associate Professor	HASEGAWA, Osamu	Pattern based Artificial Intelligence, Artificial Brain (SOINN), Cognitive Robotics		Engineering Sciences and Design
Associate Professor	HATANAKA, Takeshi	Control of network systems		Systems and Control Engineering
Associate Professor	HAYAKAWA, Tomohisa	Control Theory, Dynamical Systems Theory		Systems and Control Engineering
Associate Professor	MIYAZAKI, Yusuke	Biomechanics, Injury Preventive Engineering, Digital Human Modeling		Systems and Control Engineering
Associate Professor	NAKAO, Hiroya	Nonlinear Dynamics, Stochastic Processes, Self-organization Phenomena		Systems and Control Engineering
Associate Professor	OHYAMA, Shinji	Measurement Science		Systems and Control Engineering
Associate Professor	SATO, Susumu	Thermodynamics, Combustion Reaction, Exhaust Emission, Alternative Fuel		Systems and Control Engineering
Visiting Associate Professor	**TANAKA, Masayuki	Computational photography, Image processing		Systems and Control Engineering
Associate Professor	TSUKAGOSHI, Hideyuki	Search and rescue robot, Fluid powered robot, Medical actuator		Systems and Control Engineering
Associate Professor	YAMAKITA, Masaki	Control Engineering, Robotics		*Systems and Control Engineering *Engineering Sciences and Design

\* indicates a professor who belongs to Honda Research Institute. Please make contact with “[sssep\\_inquiry](#).”

\*\* indicates a professor who belongs to National Institute of Advanced Industrial Science and Technology. Please make contact with “[sssep\\_inquiry](#).”

### (3) Dept. of Electrical and Electronic Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	☆ARAI, Shigehisa	Semiconductor Optical Devices, Opto- and Quantum electronics, Optical Communication		Electrical and Electronic Engineering
Professor	ASADA, Masahiro	Semiconductor Nano-Devices, High-Speed Devices, Terahertz Devices		Electrical and Electronic Engineering
Professor	CHIBA, Akira	Drive Electronics, Power Mechatronics, Intelligent Drive		*Electrical and Electronic Engineering *Energy Science and Engineering

Professor	HATANO, Mutsuko	Applied Physics, Electron Devices, Electronic Materials		• Energy Science and Engineering • Electrical and Electronic Engineering
Professor	HIROKAWA, Jiro	Antennas for high-rate data transmission		Electrical and Electronic Engineering
Professor	KAJIKAWA, Kotaro	Plasmonics, Metamaterials, Nonlinear Optics		• Human Centered Science and Biomedical Engineering • Electrical and Electronic Engineering
Professor	KOYAMA, Fumio	Photonic Integrated Devices for Optical Communication, Optical Sensing		Electrical and Electronic Engineering
Professor	MASU, Kazuya	Diverse-Functionality-Integration on CMOS, Swarm Electronics for Cyber Physical System		Electrical and Electronic Engineering
Professor	MIYAMOTO, Yasuyuki	Semiconductor Process/Devices		Electrical and Electronic Engineering
Professor	MIZUMOTO, Tetsuya	Lightwave Circuits, Integrated Optics		Electrical and Electronic Engineering
Professor	NAKAGAWA, Shigeki	Spintronics, Information Storage Devices, Magnetic Thin Film Devices		Electrical and Electronic Engineering
Professor	NANAHARA, Toshiya	Power Systems, Renewable energy		• Electrical and Electronic Engineering • Energy Science and Engineering
Professor	SAKAGUCHI, Kei	Wireless communications, 5G, IoT, mmWave, Wireless power transmission, Connected car, Automated driving		Electrical and Electronic Engineering
Professor	TSUTSUI, Kazuo	Semiconductor Devices, Device Processes		Electrical and Electronic Engineering
Professor	UENOHARA, Hiroyuki	Optical Communications, Photonic Switching, Photonic Integration, Optical Signal Processing		Electrical and Electronic Engineering
Professor	WAKABAYASHI, Hitoshi	Semiconductor Devices, Nano-electronics, LSI		Electrical and Electronic Engineering
Professor	YAMADA, Akira	Semiconductor Physics, Solar Cells, Compound Thin-Film Solar Cells		• Energy Science and Engineering • Electrical and Electronic Engineering
Professor	YASUOKA, Koichi	High-voltage and Plasma Engineering		• Electrical and Electronic Engineering • Energy Science and Engineering
Specially Appointed Professor	OFUJII, Teruya	Novel 3-Dimension(3D) space cell structure, Radio and network control architecture for 3D space cell structure, Radio propagation for ultra-wideband radio system and 3D space cell structure		Electrical and Electronic Engineering
Specially Appointed Professor	OKATOH, Takashi	Organic Electro Photo-functionality Materials		Electrical and Electronic Engineering
Visiting Professor	OHISAMOTO, Digh	Semiconductor Process, Semiconductor Devices		• Energy Science and Engineering • Electrical and Electronic Engineering
Associate Professor	AKATSUKA, Hiroshi	Low-Temperature Plasma Chemistry and Physics		Nuclear Engineering
Associate Professor	AOYAGI, Takahiro	Electromagnetic Compatibility (EMC), Wave Propagation		Electrical and Electronic Engineering
Associate Professor	FUJITA, Hideaki	Power Electronics, Electrical Machinery		• Energy Science and Engineering • Electrical and Electronic Engineering
Associate Professor	HAGIWARA, Makoto	Power Electronics, Smart Grid, Renewable Energy		• Energy Science and Engineering • Electrical and Electronic Engineering
Associate Professor	IINO, Hiroaki	Organic Electronics, TFT, Imaging Devices		Electrical and Electronic Engineering
Associate Professor	ITO, Haruhiko	Opto-Quantum Electronics		Electrical and Electronic Engineering
Associate Professor	ITO, Hiroyuki	RF Integrated Circuits for Communication, Hardware Technologies for Cyber Physical System		Electrical and Electronic Engineering

Associate Professor	KAKUSHIMA, Kuniyuki	Nanoelectronics and MEMS		Electrical and Electronic Engineering
Associate Professor	KAWANO, Yukio	Nano Electronics and Mechanics, Solid-State Physics and Engineering		Electrical and Electronic Engineering
Associate Professor	KODERA, Tetsuo	Quantum Information Devices, Quantum technology, Power Devices		• Energy Science and Engineering • Electrical and Electronic Engineering
Associate Professor	KUROSAWA, Minoru	Electro-mechanical Transducer, Actuators and Sensors, Mechatronics		Electrical and Electronic Engineering
Associate Professor	MANAKA, Takaaki	Organic Devices, Nonlinear Optics		Electrical and Electronic Engineering
Associate Professor	MIYAJIMA, Shinsuke	Photovoltaic materials and devices		• Energy Science and Engineering • Electrical and Electronic Engineering
Associate Professor	MIYAMOTO, Tomoyuki	Semiconductor Opto-electronic Devices		Electrical and Electronic Engineering
Associate Professor	NISHIKATA, Atsuhiro	Electromagnetic Compatibility (EMC), Material Measurement, Auditory Information		Electrical and Electronic Engineering
Associate Professor	NISHIYAMA, Nobuhiko	Optical Circuits, Semiconductor Optical Devices, Optical Transmission Systems		Electrical and Electronic Engineering
Associate Professor	OHMI, Shun-ichiro	Semiconductor Devices		Electrical and Electronic Engineering
Associate Professor	OKADA, Kenichi	Wireless Circuit Design, Analog Circuit Design		Electrical and Electronic Engineering
Associate Professor	PHAM, Nam Hai	Semiconductor Spintronic Materials, Magnetic Semiconductors, Spintronic Devices		Electrical and Electronic Engineering
Associate Professor	SHOJI, Yuya	Lightwave Circuits, Optical Communication		Electrical and Electronic Engineering
Associate Professor	SUGAHARA, Satoshi	Integrated Devices and Circuits		Electrical and Electronic Engineering
Associate Professor	SUZUKI, Safumi	Ultra High-Speed Electronic Devices, Terahertz Wireless Communication		Electrical and Electronic Engineering
Associate Professor	WATANABE, Masahiro	Quantum Devices, Hetero-epitaxial Engineering		Electrical and Electronic Engineering

☆ indicates a professor who will retire in March, 2019.

○ indicates a professor who can only be an academic co-supervisor.

#### (4) Dept. of Information and Communications Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	FUKAWA, Kazuhiko	Wireless Communications, Wireless Networks, Signal Processing, Statistical Estimation		Information and Communications Engineering
Professor	ISSHIKI, Tsuyoshi	System-on-Chip Design Methodology, Processor Design Automation		Information and Communications Engineering
Professor	KANEKO, Hirohiko	Human Vision, Sensory Information Processing, Eye movements		• Human Centered Science and Biomedical Engineering • Information and Communications Engineering
Professor	KOIKE, Yasuharu	Human Interface, Computational Neuroscience, Brain Machine Interface		• Information and Communications Engineering • Human Centered Science and Biomedical Engineering

Professor	KUMAZAWA, Itsuo	Neural Network and Learning, Machin Vision, Optical Sensing, Virtual Reality, Tactile Feedback Technology		Information and Communications Engineering
Professor	NAKAMOTO, Takamichi	Human interface, Olfactory display, Odor sensing system, Sensor information processing		Information and Communications Engineering
Professor	NAKAYAMA Minoru	Human Factors, Visual Perception, Educational Technology		Information and Communications Engineering
Professor	OGATA, Wakaha	Cryptography, Information Security		Information and Communications Engineering
Professor	OKUMURA, Manabu	Natural Language Processing		Information and Communications Engineering
Professor (Specially Appointed)	SUZUKI, Kenji	Artificial Intelligence, Deep/Machine Learning, Smart Medical Systems, Computer-aided Diagnosis		Information and Communications Engineering
Professor	TAKAGI Shigetaka	Analog Circuits		Information and Communications Engineering
Professor	TAKAHASHI, Atsushi	VLSI CAD, Physical Design, Synchronous Circuits		Information and Communications Engineering
Professor	UYEMATSU, Tomohiko	Information Theory, Coding Theory		Information and Communications Engineering
Professor	YAMAGUCHI, Masahiro	Spectral imaging, Image analysis for pathology, Holography and light-field 3D display		<ul style="list-style-type: none"> <li>· Human Centered Science and Biomedical Engineering</li> <li>· Information and Communications Engineering</li> </ul>
Associate Professor	HARA, Yuko	Embedded Systems, Internet of Things		Information and Communications Engineering
Associate Professor	HASEGAWA, Shoichi	Virtual Reality, Human Interface		Information and Communications Engineering
Associate Professor	KASAI, Kenta	Coding Theory, LDPC Codes, Spatially Coupled Codes		Information and Communications Engineering
Associate Professor	KITAGUCHI, Yoshiaki	Network Operations Management, Network Security		Information and Communications Engineering
Associate Professor	NAKAHARA, Hiroki	FPGA, Machine Learning, Embedded Systems, Multiple Valued Logic		Information and Communications Engineering
Associate Professor	OBI, Takashi	Social information systems, Medical information systems, Medical imaging, Information security		<ul style="list-style-type: none"> <li>· Information and Communications Engineering</li> <li>· Human Centered Science and Biomedical Engineering</li> </ul>
Associate Professor	SHINOZAKI, Takahiro	Speech recognition, artificial neural network, machine learning		Information and Communications Engineering
Associate Professor	SUGINO Nobuhiko	Code Optimization Methods for GPGPU, Automatic Parallelizing Compilers, Implementation Techniques of Digital Signal Processing		Information and Communications Engineering
Associate Professor	TABARU, Marie	Biomedical and Agricultural measurement, Flexible sensor, Acoustics, Ultrasonics		Information and Communications Engineering
Associate Professor	YAMAOKA Katsunori	Information and Communication Network		Information and Communications Engineering
Associate Professor	YOSHIMURA, Natsue	Neural Decoding using non-invasive brain activity signals, Brain-machine interfaces		<ul style="list-style-type: none"> <li>· Human Centered Science and Biomedical Engineering</li> <li>· Information and Communications Engineering</li> </ul>

**(5) Dept. of Industrial Engineering and Economics**

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	HIGUCHI, Yoichiro	Socio-Economic Interactions Econometrics		Industrial Engineering and Economics
Professor	IJIJIMA, Junichi	Systems Theory, Information Systems		• Engineering Sciences and Design • Industrial Engineering and Economics
Professor	INOUE, Kotaro	Corporate Finance, Corporate Governance		Industrial Engineering and Economics
Professor	ITOH, Kenji	Ergonomics, Cognitive Engineering, Safety Engineering		Industrial Engineering and Economics
Professor	TANAKA, Yoshitoshi	Intellectual Property Management		Industrial Engineering and Economics
Professor	MATSUI, Tomomi	Optimization Theory, Combinatorics, Operations Research		Industrial Engineering and Economics
Professor	MIYAKAWA, Masami	Applied Statistics, Quality Control, Reliability		Industrial Engineering and Economics
Professor	MIZUNO, Shinji	Numerical Optimization, Operations Research, Financial Engineering		Industrial Engineering and Economics
Professor	SENOO, Dai	Knowledge Management, Leadership		• Industrial Engineering and Economics • Engineering Sciences and Design
Professor	UMEMURO, Hiroyuki	Affect and Emotion, Gerontechnology, Human Factors		• Industrial Engineering and Economics • Engineering Sciences and Design
Professor	YAMAMURO, Kyoko	History of Japan		Industrial Engineering and Economics
Professor	YAMATO, Takehiko	Economic Theory, Experimental Economics		Industrial Engineering and Economics
Associate Professor	AOKI, Hirotaka	Human Factors and Ergonomics, Industrial Engineering		Industrial Engineering and Economics
Associate Professor	CHUNG, Sulin	Marketing, Retailing		Industrial Engineering and Economics
Associate Professor	FUKUDA, Emiko	Industrial Economics, Game Theory		Industrial Engineering and Economics
Associate Professor	HORI, Takeo	Dynamic Macroeconomics, Economic Growth		Industrial Engineering and Economics
Associate Professor	KAWASAKI, Ryo	Mathematical Economics, Game Theory		Industrial Engineering and Economics
Associate Professor	NAGATA, Kyoko	Accounting Information, M&A		Industrial Engineering and Economics
Associate Professor	NAKATA, Kazuhide	Managerial Mathematics, Operations Research, Financial Engineering		Industrial Engineering and Economics
Associate Professor	OHDOI, Ryoji	Dynamic Macroeconomics		Industrial Engineering and Economics
Associate Professor	SHIOURA, Akiyoshi	Discrete Optimization, Operations Research, Design and Analysis of Mathematical Systems		Industrial Engineering and Economics
Associate Professor	SUZUKI, Sadami	Production and Operations Management		Industrial Engineering and Economics
Visiting Professor	OMASUI, Toshihiko	Environmental Economic Modeling	Supporting Supervisor	Industrial Engineering and Economics
Visiting Associate Professor	OKANAMORI, Yuko	Environmental Economic Modeling	Supporting Supervisor	Industrial Engineering and Economics



○ indicates a professor who can only be an academic co-supervisor.

**List of Faculties**  
**Tokyo Institute of Technology International Graduate Program (A)**  
**Commencing in September 2018 Overseas Application**

**(A)-2 Program for Highly-skilled Professionals for a Smart Society Supported by Advanced Materials and Chemical Technology : SSMCT**

**(1) Dept. of Materials Science and Engineering**

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	AZUMA, Masaki	Solid State Chemistry		Materials Science and Engineering
Professor	FUJII, Toshiyuki	Crystallography of Microstructures		Materials Science and Engineering
Professor	FUNAKUBO, Hiroshi	Materials Science, Thin Film Devices		Materials Science and Engineering
Professor	HARA, Michikazu	Catalysis, Surface Science		• Materials Science and Engineering • Energy Science and Engineering
Professor	HAYAKAWA, Teruaki	Polymer Synthesis, Self-Organizing Polymeric Materials		Materials Science and Engineering
Professor	HOSODA, Hideki	Materials Design, Shape Memory Alloys, Intermetallic Compounds		• Materials Science and Engineering • Energy Science and Engineering
Professor	HOSONO, Hideo	Electronic Materials, Superconductors, Oxide Semiconductors, Organic LED	★	Materials Science and Engineering
Professor	ITOH, Mitsuru	Inorganic Solid-State Chemistry	★	Materials Science and Engineering
Professor	KAJIHARA, Masanori	Thermodynamics and Kinetics of Phase Transformations	★	Materials Science and Engineering
Professor	KAMIYA, Toshio	Semiconductors, Optoelectronic Devices, Computer simulation		Materials Science and Engineering
Professor	KAWAJI, Hitoshi	Physical Chemistry of Materials, Phase Transition		Materials Science and Engineering
Professor	KIKUTANI, Takeshi	Fiber and Polymer Processing, Physical Properties of Polymers	★	Materials Science and Engineering
Professor	KITAMOTO, Yoshitaka	Nanoparticles, Magnetic Materials and Devices, Spintronics		• Human Centered Science and Biomedical Engineering • Materials Science and Engineering
Professor	KOBAYASHI, Yoshinao	Safety Metallurgy for Nuclear Reactors, Phase Stability, Degradation of Materials in Reactors, Waste Management		• Nuclear Engineering • Materials Science and Engineering
Professor	KUMAI, Shinji	Mechanical Metallurgy, Fatigue, Joining and Solidification	★	Materials Science and Engineering
Professor	MAJIMA, Yutaka	Nanoscale Electronic Materials, Molecular Devices, Scanning Probe Microscopy		Materials Science and Engineering
Professor	MIYAUCHI, Masahiro	Photo-electrochemistry, Photocatalysis, Chemical Synthesis of Nanoparticles		• Energy Science and Engineering • Materials Science and Engineering
Professor	MORI, Takehiko	Organic Electronics	★	• Energy Science and Engineering • Materials Science and Engineering
Professor	MORIKAWA, Junko	Polymer Processing, Thermal Properties of Polymers		• Human Centered Science and Biomedical Engineering • Materials Science and Engineering
Professor	NAKAJIMA, Akira	Environmental Ceramics, Surface Functional Materials		Materials Science and Engineering
Professor	NAKAMURA, Yoshio	Applied Diffraction Crystallography, Nano-Structured Materials	★	Materials Science and Engineering

Professor	NISHIKATA, Atsushi	Metallurgical Electrochemistry, High Temperature Electrochemistry, Corrosion	★	Materials Science and Engineering
Professor	OBA, Fumiyasu	Computational Design of Electronic and Energy Materials		Materials Science and Engineering
Professor	ONAKA, Susumu	Mechanical Properties of Materials		Materials Science and Engineering
Professor	OUCHI, Yukio	Physical Chemistry of Organic Materials		Materials Science and Engineering
Professor	OUGIZAWA, Toshiaki	Physical Chemistry of Polymeric Materials		Materials Science and Engineering
Professor	SHI, Ji	Physical Properties of Metals, Magnetic Thin Films		• Energy Science and Engineering • Materials Science and Engineering
Professor	SONE, Masato	Material Fabrication and Evaluation for IC & MEMS		• Human Centered Science and Biomedical Engineering • Materials Science and Engineering
Professor	SUSA, Masahiro	Physical Chemistry of Metals, Materials Metrology	★	• Energy Science and Engineering • Materials Science and Engineering
Professor	TAKEYAMA, Masao	Physical Metallurgy of Intermetallic and Ferrous Materials, Phase Transformations of Alloys, Deformation in Solid	★	• Materials Science and Engineering • Energy Science and Engineering
Professor	TEZUKA, Yasuyuki	Synthetic Polymer Chemistry	★	Materials Science and Engineering
Professor	TSURUMI, Takaaki	Dielectrics and Energy Storage Capacitors	★	Materials Science and Engineering
Professor	VACHA, Martin	Optical Properties of Organic Materials		• Materials Science and Engineering • Energy Science and Engineering
Professor	WAKAI, Fumihiro	Mechanical Properties of Ceramic Materials	★	• Materials Science and Engineering • Energy Science and Engineering
Professor	YANO, Tetsuji	Inorganic Glasses, Ion-Dynamics and Optical Properties		Materials Science and Engineering
Professor	YOSHIMOTO, Mamoru	Oxide Nano-Engineering, Device, Solar cell		• Energy Science and Engineering • Materials Science and Engineering
Associate Professor	ASAI, Shigeo	Physical Properties of Organic Materials, Polymer Composites		Materials Science and Engineering
Associate Professor	AZUMA, Yasuo	Nanofabrication, Nano Device, Single-Electron Transistor		Materials Science and Engineering
Associate Professor	GOHDA, Yoshihiro	Surface and Interface Physics (Theoretical Calculations)		Materials Science and Engineering
Associate Professor	HAYAMIZU, Yuhei	Bio-interface, Nano Materials		Materials Science and Engineering
Associate Professor	HAYASHI, Miyuki	Thermophysical Properties of Materials, High Temperature Process Control		• Energy Science and Engineering • Materials Science and Engineering
Associate Professor	HAYASHI, Tomohiro	Nanoscience & Nanotechnology, Surface & Interface Science, Scanning Probe Microscopy, Nanophotonics		• Human Centered Science and Biomedical Engineering • Materials Science and Engineering
Associate Professor	HIRAMATSU, Hidenori	Superconducting Materials and Devices		Materials Science and Engineering
Associate Professor	IKOMA, Toshiyuki	Bioceramics, Biosensing, Nanomedicine, Tissue Engineering		• Materials Science and Engineering • Human Centered Science and Biomedical Engineering
Associate Professor	INAMURA, Tomonari	Shape Memory Alloy, Crystallography of Phase Transformation		• Materials Science and Engineering • Energy Science and Engineering
Associate Professor	ISHIKAWA, Ken	Optical and Electrical Properties of Organic Materials		• Materials Science and Engineering • Energy Science and Engineering

Associate Professor	KAMATA, Keigo	Catalytic Chemistry, Environment-Friendly Chemical Process		• Materials Science and Engineering • Energy Science and Engineering
Associate Professor	KATASE, Takayoshi	Oxide electronics, Energy materials, Thin film device		Materials Science and Engineering
Associate Professor	KAWAMURA, Kenichi	High Temperature Physical Chemistry, Solid State Ionics		Materials Science and Engineering
Associate Professor	KIMURA, Yoshisato	Heat Resistant Alloys and Thermoelectric Materials Design based on Phase Equilibria and Microstructure		• Energy Science and Engineering • Materials Science and Engineering
Associate Professor	KITANO, Masaaki	Heterogeneous Catalyst, Ammonia Synthesis, Acid Base Catalyst		Materials Science and Engineering
Associate Professor	KOBAYASHI, Equo	Physical Metallurgy of Non-ferrous Metals and Intermetallics, Design and Evaluation of Biomedical Materials		• Materials Science and Engineering • Human Centered Science and Biomedical Engineering
Associate Professor	KOBAYASHI, Satoru	Phase diagrams and phase transformations in alloys, Physical metallurgy of ferrous alloys, Heat resistant steels and alloys		Materials Science and Engineering
Associate Professor	MATSUISHI, Satoru	Synthesis and Characterization of Superconducting and Electro-Active Materials		Materials Science and Engineering
Associate Professor	MATSUMOTO, Hidetoshi	Nano-micro Fabrication, Energy Conversion Materials		• Energy Science and Engineering • Materials Science and Engineering
Associate Professor	MATSUSHITA, Nobuhiro	Novel Processes for Electronic, Energy and Biomedical Materials		• Materials Science and Engineering • Human Centered Science and Biomedical Engineering
Associate Professor	MATSUSHITA, Sachiko	Thermoelectronics, Plasmonics, Fabrication of Nanostructures		• Materials Science and Engineering • Energy Science and Engineering
Associate Professor	MICHINOBU, Tsuyoshi	Polymer Synthesis, Semiconducting Polymers		Materials Science and Engineering
Associate Professor	MURAISHI, Shinji	Micromechanics, Nanostructured Material, Crystal Defects		Materials Science and Engineering
Associate Professor	NAKADA, Nobuo	Microstructure and Mechanical Properties of Iron and Steels		Materials Science and Engineering
Associate Professor	NAKAMURA, Kazutaka	Laser Spectroscopy		Materials Science and Engineering
Associate Professor	NAKATSUJI, Kan	Surface and Interface Physics		Materials Science and Engineering
Associate Professor	SANNOMIYA, Takumi	Plasmonic Materials, Electron Microscopy		Materials Science and Engineering
Associate Professor	SASAGAWA, Takao	Strongly Correlated Electron Systems		• Materials Science and Engineering • Energy Science and Engineering
Associate Professor	SHIOYA, Masatoshi	Polymer Composites, Mechanical Properties, Carbon Materials		Materials Science and Engineering
Associate Professor	TADA, Eiji	Corrosion and Environmental Degradation of Materials		Materials Science and Engineering
Associate Professor	TADA, Tomofumi	Quantum Chemistry for Device Modeling		Materials Science and Engineering
Associate Professor	TAKEDA, Hiroaki	Electroceramics, Crystal Growth of Functional materials		• Materials Science and Engineering • Human Centered Science and Biomedical Engineering
Associate Professor	TANIYAMA, Tomoyasu	Magnetism in Nanostructures, Spin Electronics, Multiferroics		• Materials Science and Engineering • Energy Science and Engineering
Associate Professor	TERADA, Yoshihiro	Microstructure Control, Mechanical Properties, Heat-Resistant Materials		Materials Science and Engineering
Associate Professor	TSUGE, Takeharu	Biodegradable Plastics		• Human Centered Science and Biomedical Engineering • Materials Science and Engineering

Associate Professor	UEDA, Mitsutoshi	High Temperature Oxidation of Metals, Defect Chemistry in Oxides, Physical Chemistry at High Temperature		• Energy Science and Engineering • Materials Science and Engineering
Associate Professor	YASUDA, Kouichi	Engineering Ceramics and Composites, Micromechanics, Fracture Statistics		• Materials Science and Engineering • Energy Science and Engineering
Associate Professor	YOSHIDA, Katsumi	Severe environment resistant materials, Materials for nuclear and fusion applications, Ceramic-based composites, High performance porous ceramics		• Nuclear Engineering, Materials Science and Engineering
Associate Professor	MATSUDA, Akifumi	Atomic-scale Materials Engineering, Materials for Electronics and Energy Applications		• Energy Science and Engineering • Materials Science and Engineering

☆ indicates a professor who will not accept any students due to retirement within the next 6 years.

## (2) Dept. of Chemical Science and Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	AKITA, Munetaka	Organometallic Chemistry, Organic Photocatalysis, Molecular Devices	☆	Chemical Science and Engineering
Professor	ANDO, Shinji	Structure and Physical Properties of Polymeric Functional Materials in Solids		Chemical Science and Engineering
Professor	ARAI, Hajime	Secondary battery, Metal-air battery, Electrochemistry, Operando (In situ) analysis		Energy Science and Engineering Chemical Science and Engineering
Professor	BABA, Toshihide	Heterogeneous Catalysis, Green Chemistry, Zeolite Synthesis, Bio Chemistry	☆	• Human Centered Science and Biomedical Engineering • Chemical Science and Engineering
Professor	FUKUSHIMA, Takanori	Organic Functional Materials, Nanomaterials, $\pi$ -Electronic Systems, Molecular Assembly		Chemical Science and Engineering
Professor	HARA, Masahiko	Materials Chemistry, Self-Assembly, Surface & Interface, Scanning Probe Microscopy, Nanophotonics, Biointerface, Chemical Evolution & Origins of Life	☆	• Chemical Science and Engineering • Energy Science and Engineering
Professor	IHARA, Manabu	Energy Conversion on Chemical Engineering, Electrochemistry, Fuel Cells, Solar Cells, Energy system		• Energy Science and Engineering • Chemical Science and Engineering
Professor	ISHIZONE, Takashi	Polymer Synthesis, Living Polymerization		Chemical Science and Engineering
Professor	KANNO, Ryoji	Solid State Electrochemistry, Inorganic Materials Chemistry, Battery, Fuel Cell	☆	• Energy Science and Engineering • Chemical Science and Engineering
Professor	KATO, Yukitaka	Energy Conversion, Energy Storage, Chemical Heat Pump, Carbon Recycling Energy System, Hydrogen Energy, Nuclear Energy Utilization System		Nuclear Engineering
Professor	KUBOUCHI, Masatoshi	Polymeric Materials for Chemical Plant, Composite Materials, Material Science, Graphene		Chemical Science and Engineering
Professor	NAKAJIMA, Ken	Polymer Physics, Rubber Industry, Atomic Force Microscopy		Chemical Science and Engineering
Professor	OKOCHI, Mina	Biotechnology, Biochemical Engineering, Peptide Engineering		Chemical Science and Engineering
Professor	OSAKADA, Kohtaro	Synthetic Organic Chemistry, Organometallic Chemistry	☆	Chemical Science and Engineering
Professor	OTSUKA, Hideyuki	Polymer Reactions, Smart Polymeric Materials, Polymer Synthesis		Chemical Science and Engineering
Professor	SEKIGUCHI, Hidetoshi	Plasma Processing, Thermo-chemical Engineering		• Chemical Science and Engineering • Energy Science and Engineering
Professor	SERIZAWA, Takeshi	Biomacromolecular Chemistry, Biomaterials Science and Engineering, Molecular Assembly		Chemical Science and Engineering
Professor	SHISHIDO, Atsushi	Polymer Chemistry, Materials Chemistry		• Energy Science and Engineering • Chemical Science and Engineering

Professor	TAGO, Teruoki	Chemical Reaction Engineering, Catalytic Reaction Engineering, Catalyst & Environmental Chemical Process		• Chemical Science and Engineering • Energy Science and Engineering
Professor	TOMITA, Ikuyoshi	Polymer Synthetic Chemistry		• Energy Science and Engineering • Chemical Science and Engineering
Professor	YAMAGUCHI, Takeo	Fuel Cell Engineering, Bio-inspired Materials, Membrane Science		• Chemical Science and Engineering • Energy Science and Engineering
Professor	YAMAMOTO, Kimihisa	Macromolecular chemistry, Inorganic chemistry, Nanoscience, Material Science		Chemical Science and Engineering
Professor	YAMANAKA, Ichiro	Electrochemistry, Oxidation Chemistry		• Chemical Science and Engineering • Energy Science and Engineering
Professor	YOSHIDA, Naohiro	Environmental Chemistry, Isotope Chemistry	★	• Chemical Science and Engineering • Energy Science and Engineering
Professor	TANAKA, Ken	Synthetic Organic Chemistry, Asymmetric Synthesis, Organometallic Chemistry		Chemical Science and Engineering
Professor	OHTOMO, Akira	Inorganic Solid State Chemistry, Thin Film, Surface and Interface, Device Physics		• Chemical Science and Engineering • Materials Science and Engineering
Professor	MURAHASHI, Tetsuro	Synthetic Inorganic and Organometallic Chemistry, Coordination Chemistry		Chemical Science and Engineering
Professor	WADA, Yuji	Nano Materials Chemistry, Solar Energy Conversion, Chemical Processes Driven by Microwaves	★	• Energy Science and Engineering • Chemical Science and Engineering
Professor	HITOSUGI, Taro	Nanoscience, Solid-state chemistry, Solid-state electrochemistry, Surfaces and Interfaces		• Chemical Science and Engineering • Materials Science and Engineering
Associate Professor	AOKI, Saiko	Tribology, Surface Engineering		• Chemical Science and Engineering • Energy Science and Engineering
Associate Professor	FUCHINO, Tetsuo	Process Systems Engineering, Product Management		Chemical Science and Engineering
Associate Professor	FURUYA, Hidemine	Structures and Physical Properties of Polymers		Chemical Science and Engineering
Associate Professor	HIRAYAMA, Masaaki	Energy Conversion Materials, Inorganic and Solid State Chemistry, Electrochemical Interface		• Energy Science and Engineering • Chemical Science and Engineering
Associate Professor	IMAOKA, Takane	Physical chemistry, Coordination chemistry, Advanced material chemistry, Nanoparticle, Cluster science		Chemical Science and Engineering
Associate Professor	INAGI, Shinsuke	Organic Electrochemistry, Polymer Chemistry		• Energy Science and Engineering • Chemical Science and Engineering
Associate Professor	KAWAUCHI, Susumu	Computational Chemistry, Quantum Chemistry, Molecular Simulation	★	Chemical Science and Engineering Energy Science and Engineering Materials Science and Engineering
Associate Professor	KITAMURA, Fusao	Electrochemistry, Spectroscopy, In-situ Spectroelectrochemistry		Energy Science and Engineering
Associate Professor	KOIZUMI, Take-aki	Organometallic Chemistry, Electrocoordination Chemistry		Chemical Science and Engineering
Associate Professor	KONISHI, Gen-ichi	Polymer Synthesis, Photochemistry		Chemical Science and Engineering
Associate Professor	MORI, Shinsuke	Plasma Processing, Heat Transfer		• Chemical Science and Engineering • Energy Science and Engineering
Associate Professor	MOTOKURA, Ken	Heterogeneous Catalysis, Organic Chemistry		• Human Centered Science and Biomedical Engineering • Chemical Science and Engineering
Associate Professor	NAGAI, Keiji	Photoenergy Conversion Materials and Engineering, Organophotocatalyst, High Energy Density States		• Energy Science and Engineering • Chemical Science and Engineering
Associate Professor	NOMURA, Junko	Catalytic Chemistry, Inorganic Synthesis		Chemical Science and Engineering

Specially Appointed Professor	OOKAWARA, Shinichi	Microfluidic Transport Phenomena, CFD (Computational Fluid Dynamics), Microreactor		Chemical Science and Engineering
Associate Professor	SAITO, Reiko	Polymer Synthesis, Template Polymerization, Organic-inorganic Composites		• Energy Science and Engineering • Chemical Science and Engineering
Associate Professor	SHIMOYAMA, Yusuke	Separation Engineering, Supercritical Fluids, Material Process, Separation Process		• Chemical Science and Engineering • Energy Science and Engineering
Associate Professor	TAKAO, Koichiro	Actinide Chemistry, Coordination Chemistry, Nuclear Fuel Cycle, Fuel Reprocessing, Radioactive Wastes, Decontamination		Nuclear Engineering
Associate Professor	TAMAKI, Takanori	Energy Materials, Biomaterials, Bioelectrochemistry		• Chemical Science and Engineering • Energy Science and Engineering
Associate Professor	TANIGUCHI, Izumi	Nanostructure material processing, Energy storage device, Aerosol technology, Powder engineering, Chemical engineering		• Chemical Science and Engineering • Energy Science and Engineering
Associate Professor	TOKITA, Masatoshi	Polymer Structures and Properties, Liquid Crystals, Polymer Brushes		Chemical Science and Engineering
Associate Professor	TOYODA, Sakae	Environmental Chemistry, Material Cycle Analysis		• Chemical Science and Engineering • Energy Science and Engineering
Associate Professor	TSUKAHARA, Takehiko	Analytical Chemistry of Radionuclides, Radioactive Waste Management, Nuclear Fuel Cycle, Micro-Nano Chemistry, Functional Nanomaterials		Nuclear Engineering
Associate Professor	WADA, Hiroyuki	Optical Materials, Nanoparticles		• Energy Science and Engineering • Chemical Science and Engineering
Associate Professor	WAKI, Keiko	Fuel Cell, Lithium battery, Solar Cell		Energy Science and Engineering
Associate Professor	YAMADA, Keita	Organic Geochemistry, Isotope Chemistry		• Chemical Science and Engineering • Energy Science and Engineering
Associate Professor	YOSHIKAWA, Shiro	Fluid Dynamics, Transport Phenomena		Chemical Science and Engineering
Associate Professor	YOSHIKAWA, Michito	Supramolecular Chemistry, Nanospace Chemistry		Chemical Science and Engineering
Associate Professor	TANAKA, Hiroshi	Synthetic Organic Chemistry, Chemical Biology, Carbohydrates, Natural Product Chemistry		• Chemical Science and Engineering
Associate Professor	OKAMOTO, Masaki	Catalyst Chemistry		Chemical Science and Engineering
Associate Professor	KUWATA, Shigeki	Coordination Chemistry, Organometallic Chemistry		• Chemical Science and Engineering • Energy Science and Engineering
Associate Professor	ITO, Shigekazu	Physical Organic Chemistry, Organic Synthesis		Chemical Science and Engineering
Associate Professor	TAKAO, Toshiro	Organometallic Chemistry, Inorganic Chemistry		Chemical Science and Engineering
Associate Professor	Suzuki, Eiichi	Microwave-driven Chemical Reactions, Catalyst Chemistry	★	• Energy Science and Engineering • Chemical Science and Engineering

★ indicates a professor who will not accept any students due to retirement within the next 6 years.

**List of Faculties**  
**Tokyo Institute of Technology International Graduate Program (A)**  
**Commencing in September 2018 Overseas Application**

**(A)-3 International Graduate Program on Applied Artificial Intelligence and Cyber-Security**

**(1)Dept. of Mathematical and Computing Science**

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	ITO, Toshiya	Online algorithms, Randomized algorithms, Discrete mathematics		Mathematical and Computing Science
Professor	KABASHIMA, Yoshiyuki	Statistical mechanics, Information theory, Machine learning, Neural network theory		Mathematical and Computing Science
Professor	KANAMORI, Takafumi	Mathematical statistics, Machine learning		Mathematical and Computing Science
Professor	MASUHARA, Hidehiko	Programming Languages, Software Development Environment		Mathematical and Computing Science
Professor	MATSUOKA, Satoshi	High-Performance Computing, Big Data	Global Scientific Information and Computing Center	Mathematical and Computing Science
Professor	MINAMIDE, Yasuhiko	Software Verification, Programming Languages		Mathematical and Computing Science
Professor	MIYOSHI, Naoto	Applied Probability, Stochastic Models		Mathematical and Computing Science
Professor	NISHIBATA, Shinya	Theory of Partial Differential Equations		Mathematical and Computing Science
Professor	TANAKA, Keisuke	Theory of cryptography, Information security, Theory of computation, Mathematics		Mathematical and Computing Science
Professor	UMEHARA, Masaaki	Differential Geometry		Mathematical and Computing Science
Professor	WATANABE, Osamu ☆	Theory of Computing, Algorithms		Mathematical and Computing Science
Professor	WATANABE, Sumio ☆	Mathematical statistics, Applied mathematics, Learning theory, Artificial intelligence		Mathematical and Computing Science
Associate Professor	ENDO, Toshio	High-Performance Computing, Parallel Software	Global Scientific Information and Computing Center	Mathematical and Computing Science
Associate Professor	FUKUDA, Mituhiro	Mathematical Optimization, Continuous Optimization		Mathematical and Computing Science
Associate Professor	KASHIMA, Ryo	Mathematical Logic, Non-Classical Logics		Mathematical and Computing Science
Associate Professor	MIURA, Hideyuki	Theory of Partial Differential Equations		Mathematical and Computing Science
Associate Professor	MUROFUSHI, Toshiaki	Non-additive measure theory, Theory of set functions, Formal concept analysis, Information visualization		<ul style="list-style-type: none"> <li>• Mathematical and Computing Science</li> <li>• Artificial Intelligence</li> </ul>
Associate Professor	NAKANO, Yumiharu	Control theory, Stochastic processes, Finance		Mathematical and Computing Science
Associate Professor	SHUDO, Kazuyuki	Distributed Systems		Mathematical and Computing Science



Associate Professor	TAKAYASU, Misako	Big data analysis, Econo- and socio- physics, Biophysics, Modeling and simulation of complex phenomena, Statistical physics	Institute of Innovative Research	<ul style="list-style-type: none"> <li>Artificial Intelligence</li> <li>Mathematical and Computing Science</li> </ul>
Associate Professor	TERASHIMA, Yuji	Differential Topology, Mathematical Physics		Mathematical and Computing Science
Associate Professor	WAKITA, Ken	Social Network Analysis, Information Visualization, Programming Languages		Mathematical and Computing Science
Associate Professor	YAMASHITA, Makoto	Mathematical Optimization, Continuous Optimization		Mathematical and Computing Science

☆indicates a professor who will not accept students this year due to retirement

## (2) Dept. of Computer Science

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	AKIYAMA, Yutaka	Bioinformatics, Computational drug discovery, High-performance computing, Machine learning applications		<ul style="list-style-type: none"> <li>Artificial Intelligence</li> <li>Computer Science</li> </ul>
Professor	DÉFAGO, Xavier	Distributed algorithms, Dependable computing, Middleware, Cooperative mobile robotics		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	DEGUCHI, Hiroshi ☆	Evolutionary Economics, Agent Based Modeling, Social and Economic Systems, Complex Systems with Decision Makers		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	GONDOW, Katsuhiko	Software Development Environments, Software Engineering		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	KOIKE, Hideki	Vision-based HCI, Information Visualization		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	KONAGAYA, Akihiko ☆	Biomedical informatics, Molecular robotics, Artificial intelligence, High performance computing		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	MIYAKE, Yoshihiro	Co-creation system, Communication science, Cognitive neuroscience, Human interface		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	MIYAZAKI, Jun	Large Scale Computing, Information Retrieval / Recommendation		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	NAKAMURA, Kiyohiko ☆	Brain-informatics, Knowledge-informatics, Neurophysiology, Artificial brain		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	NISHIZAKI, Shin-ya	Semantics of Programming Languages, Software Science	Global Scientific Information and Computing Center	<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	OKAZAKI, Naoaki	Natural Language Processing, Text Mining, Machine Learning, Artificial Intelligence		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	SAEKI, Motoshi ☆	Software Engineering		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>
Professor	SHINODA, Koichi	Statistical Pattern Recognition, Audio and Video Scene Understanding		<ul style="list-style-type: none"> <li>Artificial Intelligence</li> <li>Computer Science</li> </ul>
Professor	TOKUNAGA, Takenobu	Natural Language Processing, Computational Linguistics		<ul style="list-style-type: none"> <li>Artificial Intelligence</li> <li>Computer Science</li> </ul>
Professor	WATANABE, Takuo	Reflection and metaprogramming, Concurrency, Programming languages, Formal methods		<ul style="list-style-type: none"> <li>Artificial Intelligence</li> <li>Computer Science</li> </ul>
Professor	YAMAMURA, Masayuki	Systems biology, Synthetic biology, Artificial intelligence, Artificial life		<ul style="list-style-type: none"> <li>Artificial Intelligence</li> <li>Computer Science</li> </ul>
Professor	YOKOTA, Haruo ☆	Data Engineering, Dependable Systems		<ul style="list-style-type: none"> <li>Computer Science</li> <li>Artificial Intelligence</li> </ul>

Adjunct Professor	INOUE, Katsumi ★	Artificial Intelligence, Machine Learning, Logic Programming		<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	AONISHI, Toru	General Neuroscience, Mathematical Physics, Fundamental Theory of Physical Properties, Biological, Living Body Informatics		<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	FUJII, Atsushi	Knowledge processing, Information retrieval, Natural language processing		<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	ISHIDA, Takashi	Data mining, Bioinformatics		<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	ISHII, Hideaki	Systems and control, Networked control, Distributed control of multi-agent systems, Cyber security of control systems		<ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Artificial Intelligence</li> </ul>
Associate Professor	KANEKO, Haruhiko	Dependable System, Joint Coding Theory		<ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Artificial Intelligence</li> </ul>
Associate Professor	KISE, Kenji	Computer Architecture		<ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Artificial Intelligence</li> </ul>
Associate Professor	KOBAYASHI, Takashi	Software Engineering		<ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Artificial Intelligence</li> </ul>
Associate Professor	MURATA, Tsuyoshi	Artificial Intelligence, Web Mining, Link Mining, Social Network Analysis		<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	ONO, Isao	Evolutionary computation, Optimization, Artificial intelligence		<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	SAITO, Suguru	Computer Graphics, Image Processing		<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	SEKIJIMA, Masakazu	Chemoinformatics, Bioinformatics, Molecular simulation, High performance computing	Institute of Innovative Research	<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	SHIMOSAKA, Masamichi	Machine intelligence, Machine learning, Pattern recognition, Crowd sensing, Ubiquitous computing		<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	TAKINOUE, Masahiro	Biophysics, Nonlinear Nonequilibrium Science, Microfluidics, Artificial Cell, Molecular Robotics		<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Computer Science</li> </ul>
Associate Professor	YOKOTA, Rio	High Performance Computing, Large-scale Parallel Computing, N-Body Algorithms, Fluid Simulation, Molecular Simulation	Global Scientific Information and Computing Center	<ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Artificial Intelligence</li> </ul>

☆indicates a professor who will not accept students this year due to retirement

★indicates a professor who will not accept students this year due to end of the appointment term

**List of Faculties**  
**Tokyo Institute of Technology International Graduate Program (A)**  
**Commencing in September 2018 Overseas Application**

**(A)-4 International Graduate Program for Life Science and Technology**

**(1)Dept. of Life Science and Technology**

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	FUJII, Masaaki	Physical Chemistry, Laser Spectroscopy, Cluster		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Professor	FUKUI, Toshiaki	Genetic Engineering, Metabolic Engineering, Extremophiles		Life Science and Technology
Professor	HONGO, Yuichi	Molecular Microbial Ecology, Symbiosis		Life Science and Technology
Professor	ICHINOSE, Hiroshi	Neurochemistry, Molecular Biology, Neuroscience		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Professor	ISHII, Yoshitaka	Physical Chemistry, Structural Biology, Alzheimer's Disease		Life Science and Technology
Professor	ITOH, Takehiko	Bioinformatics		Life Science and Technology
Professor	IWASAKI, Hiroshi	Molecular Genetics and Molecular Biology		Life Science and Technology
Professor	KAJIWARA, Susumu	Molecular Biology, Microbial Infection, Biotechnology, Genome Editing		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Professor	KIMURA, Hiroshi	Epigenetics and Cell Biology		Life Science and Technology
Professor	KINBARA, Kazushi	Bioinspired Synthetic Chemistry		Life Science and Technology
Professor	KITAO, Akio	Computational Biology, Biophysics, Computational Chemistry, Protein Dynamics		Life Science and Technology
Professor	KOBATAKE, Eiry	Protein Engineering, Cellular Engineering, Biosensing		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Professor	KOMADA, Masayuki	Medical Cell Biology and Biochemistry		Life Science and Technology
Professor	KUME, Shoen	Stem Cell Biology, Regenerative Medicine		Life Science and Technology
Professor	MARUYAMA, Atsushi	Biomaterials, Bioconjugates, Biofunctional Polymers		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Professor	MIHARA, Hisakazu	Bioorganic Chemistry and Peptide Chemistry		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Professor	MURAKAMI, Satoshi	Structural Biology, Protein Crystallography		Life Science and Technology
Professor	NAKAMURA, Hiroyuki	Organic Synthesis, Medicinal Chemistry, Chemical Biology		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Professor	NISHIYAMA, Nobuhiro	Drug Delivery System, Biomaterials Science		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Professor	SAKURAI, Minoru	Biophysical Chemistry, Computational Chemistry		Life Science and Technology
Professor	TAGUCHI, Hideki	Biophysical Chemistry, Protein Folding		Life Science and Technology

Professor	TANAKA, Kan	Evolutional Cell Biology, Cell Cycle, Signal Transduction, Microbiology, Symbiosis, Organelle, Chloroplast, Mitochondria, Transcriptional Regulation, Plant Physiology, Photosynthesis		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Professor	TOKUNAGA, Makio	Single Molecule Biology, Immune Cell Signaling, Molecular Systems Biology		Life Science and Technology
Professor	UEDA, Hiroshi	Bioprocess and Protein Engineering, Antibody Engineering, Analytical Chemistry, Biosensors		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Professor	UENO, Takafumi	Bioinorganic Chemistry, Biophysical Chemistry, Biosupramolecular Chemistry		Life Science and Technology
Professor	URABE, Hirokazu	Organic Synthesis, Asymmetric Synthesis		Life Science and Technology
Professor	WACHI, Masaaki	Applied Microbiology		Life Science and Technology
Professor	YAMAGUCHI, Yuki	Control of Gene Expression, Epigenetics, RNA Processing, Drug Discovery		Life Science and Technology
Professor	YUASA, Hideya	Bioorganic Chemistry		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Associate Professor	AIZAWA, Yasunori	Cellular Genomics		Life Science and Technology
Associate Professor	AKAMA, Hiroyuki	Brain Image Analysis(fMRI) and Machine Learning, Complex Networks, Computational Neurolinguistics		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Associate Professor	ASAKURA, Noriyuki	Bioinorganic Chemistry, Biological Electron Transfer		Life Science and Technology
Associate Professor	FUSE, Shinichiro	Synthetic Organic Chemistry, Medicinal Chemistry, Natural Product Synthesis, Micro-flow Synthesis		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Associate Professor	HATA, Takeshi	Organic Synthesis, Asymmetric Synthesis		Life Science and Technology
Associate Professor	HAYASHI, Nobuhiro	Molecular Biology and Proteomics		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Associate Professor	HIRASAWA, Takashi	Molecular Microbiology and Metabolic Engineering		Life Science and Technology
Associate Professor	HIROTA, Junji	Molecular Neuroscience		Life Science and Technology
Associate Professor	IMAMURA, Sousuke	Plant Molecular Biology, Gene Regulation, Genetic Engineering, Biofuel, Algal Biomass		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Associate Professor	ISHIUCHI, Shun-ichi	Laser spectroscopy, Mass spectrometry		• Human Centered Science and Biomedical Engineering • Life Science and Technology • Life Science and Technology
Associate Professor	KAJIKAWA, Masaki	Molecular Biology		Life Science and Technology
Associate Professor	KAMACHI, Toshiaki	Bioinorganic chemistry, Cellular imaging of oxygen		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Associate Professor	KATO, Akira	Epithelial Transport, Animal Physiology		Life Science and Technology
Associate Professor	KAWAKAMI, Atsushi	Developmental Genetics, Regenerative Biology		Life Science and Technology
Associate Professor	KOTERA, Masaaki	Chemical Bioinformatics		Life Science and Technology
Associate Professor	MASUDA, Shinji	Plant Molecular Biology and Photobiology		Life Science and Technology

Associate Professor	MATSUDA, Tomoko	Bioorganic Chemistry, Biocatalysis, Green Chemistry		Life Science and Technology
Associate Professor	MIE, Masayasu	Protein Engineering, Tissue Engineering, Biosensing		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Associate Professor	MIYASHITA, Eizo	Systems Neuroscience		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Associate Professor	MORI, Toshiaki	Bioorganic Chemistry, Polymer Chemistry		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Associate Professor	NAKAMURA, Nobuhiro	Molecular Cell Biology		Life Science and Technology
Associate Professor	NAKATOGAWA, Hitoshi	Molecular Cell Biology and Biochemistry		Life Science and Technology
Associate Professor	NIKAIDO, Masato	Molecular Evolutionary Biology		Life Science and Technology
Associate Professor	OGURA, Shun-ichiro	Molecular Biology, Alternative Therapy for Tumor, Biometabolic Engineering, Biomarker		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Associate Professor	OHKUBO, Akihiro	Bioorganic Chemistry		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Associate Professor	OSADA, Toshiya	Neuroscience		Life Science and Technology
Associate Professor	SEIO, Kohji	Bioorganic Chemistry		• Life Science and Technology • Human Centered Science and Biomedical Engineering
Associate Professor	SHIMOJIMA, Mie	Plant Molecular Biology and Biochemistry		Life Science and Technology
Associate Professor	SHIRAKI, Nobuaki	Stem Cell Biology		Life Science and Technology
Associate Professor	SUZUKI, Takashi	Molecular Neurobiology		Life Science and Technology
Associate Professor	TACHIBANA, Kazunori	Cell and Developmental Biology		Life Science and Technology
Associate Professor	TAGAWA, Yoh-ichi	Developmental Engineering, Molecular Biology, Artificial Organ, Immunology		Life Science and Technology
Associate Professor	TANAKA, Mikiko	Developmental Biology		Life Science and Technology
Associate Professor	TSUTSUMI, Hiroshi	Chemical Biology		Life Science and Technology
Associate Professor	WAKABAYASHI, Ken-ichi	Cell Biology, Cell Motility, Biochemistry		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Associate Professor	YAMADA, Takuji	Genome Science and Bioinformatics		Life Science and Technology
Associate Professor	YANAGIDA, Yasuko	Bio-MEMS/NEMS, Biosensing, Biofunctional Engineering		• Human Centered Science and Biomedical Engineering • Life Science and Technology
Associate Professor	YATSUNAMI, Rie	Metabolic Engineering, Protein Engineering and Genetic Engineering		• Life Science and Technology

**List of Faculties**  
**Tokyo Institute of Technology International Graduate Program (A)**  
**Commencing in September 2018 Overseas Application**

**(A)-5 Postgraduate Program for Multinational Architects in Conjunction with Engineering and Urban Design**

**(1)Dept. of Architecture and Building Engineering**

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	YASUDA, Koichi	Architectural Design		Architecture and Building Engineering Engineering Sciences and Design
Professor	OKUYAMA, Shin-ichi	Architectural Design		Architecture and Building Engineering Urban Design and Built Environment
Professor	TSUKAMOTO, Yoshiharu	Architectural Design and Urban Research		Architecture and Building Engineering
Associate Professor	MURATA, Ryo	Architectural Design Passive Solar Design		Architecture and Building Engineering Engineering Sciences and Design
Associate Professor	SHIOZAKI, Taisin	Architectural Design		Architecture and Building Engineering
Associate Professor	YAMAZAKI, Taisuke	History of Architecture Architectural Design		Architecture and Building Engineering
Professor	TAKEUCHI, Toru	Steel Structure, Structural design, Seismic Control		Architecture and Building Engineering
Professor	SAKATA, Hiroyasu	Concrete Structure, Timber Structure, Damage Controlled Structure		Architecture and Building Engineering Urban Design and Built Environment
Professor	FUJII, Haruyuki	Design Science, Architectural Planning and Environmental Design Theories		Engineering Sciences and Design Architecture and Building Engineering
Associate Professor	SAIO, Naoko	Architectural Planning Urban and Rural Planning		Architecture and Building Engineering
Professor	OSARAGI, Toshihiro	Spatial Analysis and Planning Spatial Information Science		Architecture and Building Engineering Urban Design and Built Environment
Professor	YOKOYAMA, Yutaka	Building Materials		Architecture and Building Engineering
Associate Professor	HOTTA, Hisato	Composite Structure		Architecture and Building Engineering
Associate Professor	IKARASHI, Kikuo	Steel Structures		Architecture and Building Engineering
Associate Professor	KAGI, Naoki	Environmental Engineering Air Quality		Architecture and Building Engineering
Associate Professor	MIKAMI, Takamasa	Performance Evaluation of Building Elements and Materials		Architecture and Building Engineering
Associate Professor	TAMURA, Shuji	Geotechnical Earthquake Engineering		Architecture and Building Engineering
Associate Professor	YUASA, Kazuhiro	Environmental Engineering Building Services		Architecture and Building Engineering Engineering Sciences and Design

**List of Faculties**  
**Tokyo Institute of Technology International Graduate Program (A)**  
**Commencing in September 2018 Overseas Application**

**(A)-6 International Program on Earthquake Engineering**

**(1)Dept. of Architecture and Building Engineering**

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	FUJII, Haruyuki	Design Science, Environmental Design Theories		• Engineering Sciences and Design • Architecture and Building Engineering
Professor	KONO, Susumu	Reinforced and prestressed concrete structures, Earthquake Engineering		• Architecture and Building Engineering • Urban Design and Built Environment
Professor	MOTOYUI, Shojiro	Structural Engineering		Urban Design and Built Environment
Professor	NAKAI, Norihiro	Urban Planning, Urban Policy, Urban Design		Urban Design and Built Environment
Professor	OSARAGI, Toshihiro	Spatial Analysis and Planning Spatial Information Science		• Architecture and Building Engineering • Urban Design and Built Environment
Professor	SAKATA, Hiroyasu	Building Material and Structural Engineering		• Architecture and Building Engineering • Urban Design and Built Environment
Professor	TAKEUCHI, Toru	Steel Structure, Structural design, Seismic Control		Architecture and Building Engineering
Professor	YAMADA, Satoshi	Structural Engineering, Earthquake Engineering		• Architecture and Building Engineering • Urban Design and Built Environment
Professor	YAMANAKA, Hiroaki	Environmental and Engineering Geophysics, Strong Motion Seismology		Urban Design and Built Environment
Professor	YOKOYAMA, Yutaka	Building Materials		Architecture and Building Engineering
Specially Appointed Professor	SUEMATSU, Takashi	Human Behavior Simulation for Disaster		Urban Design and Built Environment
Associate Professor	IKARASHI, Kikuo	Steel Structures		Architecture and Building Engineering
Associate Professor	KISHIKI, Shoichi	Seismic retrofit for existing buildings, Post-earthquake damage evaluation and rehabilitation		• Architecture and Building Engineering • Urban Design and Built Environment
Associate Professor	MATSUOKA, Masashi	Remote Sensing and Geoinformatics for Disaster Management		Urban Design and Built Environment
Associate Professor	MIKAMI, Takamasa	Performance Evaluation of Building Elements, Safety Evaluation of Residential Environment		Architecture and Building Engineering
Associate Professor	SATO, Daiki	Structural Engineering and Earthquake Engineering		• Architecture and Building Engineering • Urban Design and Built Environment
Associate Professor	TAMURA, Shuji	Seismic design of piles, Soil-structure interaction		Architecture and Building Engineering
Specially Appointed Associate Professor	SATO, Toshiaki	Urban Geospatial Information Analysis		Urban Design and Built Environment

**(2) Dept. of Civil and Environmental Engineering**

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	ASAKURA, Yasuo	Transportation Planning & Engineering		• Civil Engineering • Urban Design and Built Environment
Professor	HIROSE, Sohichi	Applied Mechanics, Elastodynamics, Nondestructive Evaluation		Civil Engineering
Professor	IWANAMI, Mitsuyasu	Infrastructure management, Marine structure engineering		Civil Engineering
Professor	KITAZUME, Masaki	Soil Mechanics & Geotechnical Engineering		• Engineering Sciences and Design • Civil Engineering
Professor	MORIKAWA, Hitoshi	Earthquake Engineering		• Urban Design and Built Environment • Civil Engineering
Professor	NAKAI, Norihiro	Urban Planning, Urban Policy, Urban Design		Urban Design and Built Environment
Professor	NIWA, Junichiro	Structural Concrete		Civil Engineering
Professor	SAKANO, Tatsuro	Organizational Design, Planning Theory, Public Management		Urban Design and Built Environment
Professor	TAKAHASHI, Akihiro	Geotechnical Engineering		Civil Engineering
Associate Professor	CHIJIWA, Nobuhiro	Multi-scale dynamics of structural concrete, Performance assesment of deteriorated structure		Civil Engineering
Associate Professor	FUKUDA, Daisuke	Transportation and Infrastructure Planning		• Civil Engineering • Urban Design and Built Environment • Engineering Sciences and Design
Associate Professor	MUROMACHI, Yasunori	Transport and the Environment, Travel Behavior		• Urban Design and Built Environment • Civil Engineering
Associate Professor	SASAKI, Ei-ichi	Bridge Engineering & Structural Engineering		• Civil Engineering • Engineering Sciences and Design
Associate Professor	TAKEMURA, Jiro	Soil Mechanics & Geo-environmental Engineering		• Civil Engineering • Engineering Sciences and Design
Associate Professor	WIJEYEWICKREMA, Anil C.	Earthquake Engineering, Structural Engineering, Solid Mechanics		• Civil Engineering • Engineering Sciences and Design
Specially Appointed Associate Professor	BUI, Quoc Tinh	Computational Mechanics, Fracture & Damage Mechanics		Civil Engineering



**List of Faculties**  
**Tokyo Institute of Technology International Graduate Program (A)**  
**Commencing in September 2018 Overseas Application**

**(A)-7 Global Engineering Program for Inclusive Society and Sustainable Environment**

**(1)Dept. of Transdisciplinary Science and Engineering**

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	CROSS, Jeffrey Scott	Biomass Engineering, Bioengineering, Materials Processing and Simulation, Online Educational Technology, Learning Analytics, Energy Policy		<ul style="list-style-type: none"> <li>• Energy Science and Engineering</li> <li>• Global Engineering for Development, Environment and Society</li> <li>• Materials Science and Engineering</li> </ul>
Professor	HINODE, Hirofumi	Inorganic Materials and Properties, Catalyst and Chemical, Process, Chemical Engineering in General		Global Engineering for Development, Environment and Society
Professor	KANDA, Manabu	Regional Atmospheric Environment		Global Engineering for Development, Environment and Society
Professor	KINOUCHI, Tsuyoshi	Watershed Hydrology, Water Resources Engineering		Global Engineering for Development, Environment and Society
Professor	MURAYAMA, Takehiko	Environmental Policy & Planning, Risk Assessment & Management, Risk Communication, Environmental Impact Assessment, Policy Dialogue, Social Decision-Making		Global Engineering for Development, Environment and Society
Professor	NAKASAKI, Kiyohiko	Environmental Bioengineering		Global Engineering for Development Environment and Society
Professor	NOHARA, Kayoko	Translation Studies, Linguistics, Science Communication		<ul style="list-style-type: none"> <li>• Global Engineering for Development Environment and Society</li> <li>• Engineering Sciences and Design</li> </ul>
Professor	TAKADA, Jun-ichi	Wireless Communications, Electromagnetic Wave Theory and Application, ICT and Development		<ul style="list-style-type: none"> <li>• Global Engineering for Development, Environment and Society</li> <li>• Engineering Sciences and Design</li> </ul>
Professor	TAKAHASHI, Kunio	Mechanical Engineering, Mechanics, Material Science, Material Processing		Global Engineering for Development, Environment and Society
Professor	YAMAGUCHI, Shinobu	Education and IT, International Development and Cooperation, Sustainable Development of World Cultural Heritage		Global Engineering for Development, Environment and Society
Associate Professor	ABE, Naoya	Environmental Economics, Policy Studies for the Environment, International Cooperation		Global Engineering for Development, Environment and Society
Associate Professor	AKITA, Daisuke	Aerospace System, High-Speed Aerodynamics		Global Engineering for Development, Environment and Society
Associate Professor	EGASHIRA, Ryuichi	Separation Processes, Bioenergy Production, Biomass Treatment, Water Treatment, Metal Separation, Petroleum Refining, Solvent Extraction, Adsorption		Global Engineering for Development, Environment and Society
Associate Professor	HANAOKA, Shinya	Transport Development Studies, Transport Logistics, Transport Project Management		Global Engineering for Development, Environment and Society
Associate Professor	HOPE, Tom	Sociology, Human Computer Interaction, Science Communication, Qualitative Research Methods		<ul style="list-style-type: none"> <li>• Global Engineering for Development, Environment and Society</li> <li>• Energy Science and Engineering</li> </ul>
Associate Professor	NAKAMURA, Takashi (中村 恭志)	Computational Environmental Fluid Dynamics, Computational Scheme, Multi Physics Simulation		Global Engineering for Development, Environment and Society
Associate Professor	NAKAMURA, Takashi (中村 隆志)	Coastal Ecosystem Modeling Biogeochemistry		Global Engineering for Development, Environment and Society
Associate Professor	NISHIKIZAWA, Shigeo	Environmental Policy and Planning, Public Participation, Environmental Impact Assessment		Global Engineering for Development, Environment and Society
Associate Professor	SATO, Yuriko	International Education Policy, Development Economics, Policy Evaluation, Immigration Policy		Global Engineering for Development, Environment and Society
Associate Professor	TAKAGI, Hiroshi	Disaster Prevention Engineering, Coastal Engineering		Global Engineering for Development, Environment and Society

Associate Professor	TAKAHASHI, Fumitake	Waste management, Waste recycle, Environmental risk assessment, Human behavior and psychological analysis on waste management		Global Engineering for Development, Environment and Society
Associate Professor	TOKIMATSU, Koji	Energy Technology, Resource Supply and Demand, Environmental and Resource Economics, Sustainable Development		<ul style="list-style-type: none"> <li>• Global Engineering for Development, Environment and Society</li> <li>• Energy Science and Engineering</li> </ul>
Associate Professor	YAMASHITA, Yukihiko	Computer Science, Intelligent Informatics		Global Engineering for Development, Environment and Society

## (2) Dept. of Civil and Environmental Engineering

ACADEMIC SUPERVISOR		RESEARCH FIELD	REMARKS	GRADUATE MAJOR
Professor	ASAKURA, Yasuo	Transportation Planning & Engineering		<ul style="list-style-type: none"> <li>• Civil Engineering</li> <li>• Urban Design and Built Environment</li> </ul>
Professor	HIROSE, Sohichi	Applied Mechanics Nondestructive Evaluation		Civil Engineering
Professor	IWANAMI, Mitsuyasu	Infrastructure management, Marine structure engineering		Civil Engineering
Professor	KANAE, Shinjiro	Hydrology, Hydrologic cycle, Water resources		Civil Engineering
Professor	KANDA, Manabu	Regional Atmospheric Environment		Civil Engineering
Professor	KINOUCHI, Tsuyoshi	Watershed Hydrology, Environmental Hydrology		Civil Engineering
Professor	KITAZUME, Masaki	Soil Mechanics & Geotechnical Engineering		<ul style="list-style-type: none"> <li>• Engineering Sciences and Design</li> <li>• Civil Engineering</li> </ul>
Professor	MORIKAWA, Hitoshi	Earthquake Engineering		<ul style="list-style-type: none"> <li>• Urban Design and Built Environment</li> <li>• Civil Engineering</li> </ul>
Professor	NAKAI, Norihiro	Urban Planning, Urban Policy, Urban Design		Urban Design and Built Environment
Professor	NIWA, Junichiro	Mechanics of Structural Concrete Strengthening of Deteriorated Concrete Structures Properties of Fiber Reinforced Concrete		Civil Engineering
Professor	SAITO, Ushio	Landscape Planning and Design		Urban Design and Built Environment
Professor	SAKANO, Tatsuro	Organizational Design, Planning Theory, Public Management		Urban Design and Built Environment
Professor	TAKAHASHI, Akihiro	Geotechnical Engineering		Civil Engineering
Professor	YAI, Tetsuo	Transportation Planning		<ul style="list-style-type: none"> <li>• Urban Design and Built Environment</li> <li>• Civil Engineering</li> </ul>
Associate Professor	BUI, Quoc Tinh	Computational Mechanics, Fracture & Damage Mechanics		Civil Engineering
Associate Professor	CHIJIWA, Nobuhiro	Multi-Scale Dynamics of Structural Concrete, Performance Assessment of Deteriorated Structure		Civil Engineering
Associate Professor	DOHI, Masato	Community Planning and Design		Urban Design and Built Environment
Associate Professor	FUJII, Manabu	Water and Environmental Engineering, Aquatic Chemistry		Civil Engineering
Associate Professor	FUKUDA, Daisuke	Travel Behavior Analysis, Transportation Systems Analysis, Traffic Engineering, Transportation Economics		<ul style="list-style-type: none"> <li>• Civil Engineering</li> <li>• Urban Design and Built Environment</li> <li>• Engineering Sciences and Design</li> </ul>
Associate Professor	HANAOKA, Shinya	Transport Development Studies, Transport Logistics, Transport Project Management		Civil Engineering

Associate Professor	MANO, Yosuke	Urban Planning		Urban Design and Built Environment
Associate Professor	MUROMACHI, Yasunori	Transport and the Environment, Travel Behavior		• Urban Design and Built Environment • Civil Engineering
Associate Professor	NAKAMURA, Takashi (中村 恭志)	Computational Environmental Fluid Dynamics, Computational Scheme, Multi Physics Simulation		Civil Engineering
Associate Professor	NAKAMURA, Takashi (中村 隆志)	Coastal Ecosystem Modeling Biogeochemistry		Civil Engineering
Associate Professor	SANADA, Junko	Rural landscape and development		Urban Design and Built Environment
Associate Professor	SASAKI, Ei-ichi	Bridge Engineering & Structural Engineering		• Civil Engineering • Engineering Sciences and Design
Associate Professor	SOSHIRODA, Akira	Tourism Planning Development Process of Resorts		Urban Design and Built Environment
Associate Professor	TAKAGI, Hiroshi	Disaster Prevention Engineering, Coastal Engineering		Civil Engineering
Associate Professor	TAKEMURA, Jiro	Soil Mechanics & Geo-environmental Engineering		• Civil Engineering • Engineering Sciences and Design
Associate Professor	WIJEYEWICKREMA, Anil C.	Earthquake Engineering, Structural Engineering, Solid Mechanics		• Civil Engineering • Engineering Sciences and Design
Associate Professor	YOSHIMURA, Chihiro	Water Quality Engineering, Aquatic Ecology, Biogeochemistry		Civil Engineering