

List of Faculties

Tokyo Institute of Technology International Graduate Program (B) for applicants seeking scholarships from their home governments Commencing in September 2022

School of Engineering

Dept. of Electrical and Electronic Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	CHIBA, Akira	Electric Machine, Magnetic Suspension		<ul style="list-style-type: none"> • Electrical and Electronic Engineering • Energy Science and Engineering
Professor	FUJITA, Hideaki	Power Electronics, Electrical Machinery		<ul style="list-style-type: none"> • Electrical and Electronic Engineering • Energy Science and Engineering
Professor	HATANO, Mutsuko	Quantum sensors, Power devices, Solid-State Physics and Engineering		<ul style="list-style-type: none"> • Energy Science and Engineering • Electrical and Electronic Engineering
Professor	HIROKAWA, Jiro	Millimeter-wave/Terahertz-wave planar antennas, Electromagnetic wave analysis		<ul style="list-style-type: none"> • Electrical and Electronic Engineering
Professor	KAJIKAWA, Kotaro	Plasmonics, Metamaterials, Nonlinear Optics		<ul style="list-style-type: none"> • Human Centered Science and Biomedical Engineering • Electrical and Electronic Engineering
Professor	KOYAMA, Fumio	Photonic Integrated Devices for Optical Communication, Optical Sensing	Retire in March 2023	<ul style="list-style-type: none"> • Electrical and Electronic Engineering
Professor	MANAKA, Takaaki	Organic and Polymer Electronics, Organic Devices, Nonlinear Optics		<ul style="list-style-type: none"> • Electrical and Electronic Engineering
Professor	MIYAMOTO, Yasuyuki	Compound Semiconductor Process/Devices		<ul style="list-style-type: none"> • Electrical and Electronic Engineering
Professor	NAKAGAWA, Shigeki	Spintronics, Information Storage Devices, Superconductive Spintronics		<ul style="list-style-type: none"> • Electrical and Electronic Engineering
Professor	NAKAMURA, Kentaro	Optical Sensing, Applied Acoustic Devices		<ul style="list-style-type: none"> • Human Centered Science and Biomedical Engineering • Electrical and Electronic Engineering
Professor	NISHIYAMA, Nobuhiko	Photonic Electronic Convergence Circuit, Semiconductor Lasers, Ultra high-speed transceiver and Measurement System using Photonic Integrated Circuit		<ul style="list-style-type: none"> • Electrical and Electronic Engineering
Professor	OGURI, Yoshiyuki	Environmental- and Medical Sciences Based on MeV Ion Beams	Retire in March 2023	<ul style="list-style-type: none"> • Nuclear Engineering
Professor	OKADA, Kenichi	Wireless Circuit Design, 5G, Millimeter-Wave, IoT, Analog Circuit Design		<ul style="list-style-type: none"> • Electrical and Electronic Engineering
Professor	SAKAGUCHI, Kei	Wireless communications, 5G, IoT, mmWave, Wireless power transmission, Connected car, Automated driving		<ul style="list-style-type: none"> • Electrical and Electronic Engineering
Professor	TOKUDA, Takashi	Microdevices and circuits for biomedical and IoT		<ul style="list-style-type: none"> • Human Centered Science and Biomedical Engineering • Electrical and Electronic Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	UENOHARA, Hiroyuki	Optical Communications, Optical Signal Processing, Photonic Switching, Photonic Integration		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Professor	WAKABAYASHI, Hitoshi	Semiconductor Devices, Nano-electronics, LSI		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Professor	YAMADA, Akira	Semiconductor Physics, Solar Cells, Compound Thin-Film Solar Cells		<ul style="list-style-type: none"> Energy Science and Engineering Electrical and Electronic Engineering
Specially Appointed Professor	FUJII, Teruya	5G and 6G cellular system, Network cooperated cellular system, HAPS mobile communication system, Massive antenna design	Retire in March 2023	<ul style="list-style-type: none"> Electrical and Electronic Engineering
Specially Appointed Professor	URAKABE, Takahiro	Power electronics Modeling of power semiconductor devices		<ul style="list-style-type: none"> Electrical and Electronic Engineering Energy Science and Engineering
Associate Professor	AKATSUKA, Hiroshi	Low-Temperature Plasma Chemistry and Physics		<ul style="list-style-type: none"> Nuclear Engineering Electrical and Electronic Engineering
Associate Professor	AOYAGI, Takahiro	Electromagnetic Compatibility (EMC)		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	HAGIWARA, Makoto	Power Electronics, Smart Grid, Renewable Energy		<ul style="list-style-type: none"> Energy Science and Engineering Electrical and Electronic Engineering
Associate Professor	IINO, Hiroaki	Organic Electronics, TFT, Imaging Devices		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	ITO, Haruhiko	Opto-Quantum Electronics		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	ITO, Hiroyuki	Low Power CMOS Circuits, Internet of Medical Things, IoT in Agriculture		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	IWASAKI, Takayuki	Diamond Quantum Sensor, Solid-state Quantum Emitter for Quantum Communication, Diamond Device		<ul style="list-style-type: none"> Electrical and Electronic Engineering Energy Science and Engineering
Associate Professor	KAKUSHIMA, Kuniyuki	Nanoelectronics and MEMS		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	KIYOTA, Kyohei	Electric Machines, motor, generator, magnetic suspension		<ul style="list-style-type: none"> Energy Science and Engineering Electrical and Electronic Engineering
Associate Professor	KODERA, Tetsuo	Quantum computing technology, Quantum Information Devices, Nano quantum electronics		<ul style="list-style-type: none"> Electrical and Electronic Engineering Energy Science and Engineering
Associate Professor	KUROSAWA, Minoru	Actuators, Audio Engineering, echo location		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	MIYAJIMA, Shinsuke	Photovoltaic materials and devices		<ul style="list-style-type: none"> Energy Science and Engineering Electrical and Electronic Engineering
Associate Professor	MIYAMOTO, Tomoyuki	Optoelectronics, Optical wireless power transmission		<ul style="list-style-type: none"> Electrical and Electronic Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Associate Professor	NISHIKATA, Atsuhiko	Electromagnetic Compatibility (EMC), Material Measurement, Auditory Information		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	OHMI, Shun-ichiro	Semiconductor Devices		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	OKINO, Akitoshi	Atmospheric Plasma Engineering, Spectrochemistry		<ul style="list-style-type: none"> Human Centered Science and Biomedical Engineering Electrical and Electronic Engineering
Associate Professor	PHAM, Nam Hai	Semiconductor/metal spintronics, Ferromagnetic semiconductor, Topological insulator		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	SHOJI, Yuya	Lightwave Circuits, Optical Communication		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	SUGAHARA, Satoshi	Integrated Devices and Circuits		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	SUZUKI, Safumi	Terahertz Devices, Active Metamaterials, THz Wireless Communication, THz Radar System, THz 3D Imaging		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	TABARU, Marie	Biomedical Engineering Measurement, Agricultural Engineering Measurement, Acoustic Engineering		<ul style="list-style-type: none"> Human Centered Science and Biomedical Engineering Electrical and Electronic Engineering
Associate Professor	TAGUCHI, Dai	Dielectric physics, Organic electronics, Nonlinear Optics		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	TAKEUCHI, Nozomi	Plasma Engineering, Electrostatics, High Voltage Engineering		<ul style="list-style-type: none"> Electrical and Electronic Engineering Energy Science and Engineering
Associate Professor	TRAN, Gia Khanh	Gbps-class wireless backbone network, Radio resource management using AI, IoT networks employing drones		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Associate Professor	WATANABE, Masahiro	Quantum Devices, Hetero-epitaxial Engineering		<ul style="list-style-type: none"> Electrical and Electronic Engineering
Specially Appointed Associate Professor	HARADA, Shigeki	Power electronics Modeling of power semiconductor devices		<ul style="list-style-type: none"> Electrical and Electronic Engineering Energy Science and Engineering
Specially Appointed Associate Professor	OMOTE, Hideki	5G and 6G cellular system, 5G and 6G mobile radio propagation, International standardization of mobile radio propagation	Retire in March 2023	<ul style="list-style-type: none"> Electrical and Electronic Engineering
Assistant Professor (Tenure Track)	KAWABE, Kenichi	Power system engineering, Renewable energy sources		<ul style="list-style-type: none"> Electrical and Electronic Engineering Energy Science and Engineering
Assistant Professor (Tenure Track)	SANO, Kenichiro	Power Electronics, High voltage dc transmission		<ul style="list-style-type: none"> Electrical and Electronic Engineering Energy Science and Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Assistant Professor (Tenure Track)	TOMURA, Takashi	Satellite onboard antenna, wireless communication, large-scale electromagnetic analysis		• Electrical and Electronic Engineering