List of Faculty
Tokyo Institute of Technology
International Graduate Program (B) Early Application
Commencing in September 2023

School of Environment and Society

Dept. of Transdisciplinary Science and Engineering

Academic Supervisor		Research Field	Remark	Graduate Major
Professor	ABE, Naoya	Environmental and Social Sustainability, Water-Food-Energy insecurity, Applied Economics, International Development		・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	TAKADA, Jun-ichi	Wireless Communications, Applied Radio Measurement and Sensing, ICT and Development		・Global Engineering for Development, Environment and Society
Professor	TAKAHASHI, Kunio	Mechanical Engineering, Mechanics, Material Science, Material Processing		・Global Engineering for Development, Environment and Society ・Energy Science and Engineering
Professor	NOHARA, Kayoko	Translation Studies, Linguistics, Science Communication, Science and Art		・Global Engineering for Development, Environment and Society ・Engineering Sciences and Design
Professor	HANAOKA, Shinya	Transport Development Studies, Logistics, Air Transport		・Global Engineering for Development, Environment and Society
Professor	MURAKAMI Yoichi	Energy Materials/Systems, CO2 Adsorbent Development, Materials Development for Batteries, Thermal Energy Reuse & Storage, Photon		・Global Engineering for Development, Environment and Society ・Nuclear Engineering
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
Associate Professor	AKITA, Daisuke	Aerospace System, High-Speed Aerodynamics		・Global Engineering for Development, Environment and Society ・Energy Science and Engineering
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

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Associate Professor	TAKAGI, Hiroshi	Coastal Disaster Mitigation		・Global Engineering for Development, Environment and Society
Associate Professor	TAKASU, Hiroki	Energy storage and conversion, Carbon neutral, Electrochemical CO2 reduction, Hydrogen membrane, Ammonia storage, Functional materials for energy, Nuclear energy utilization		・Global Engineering for Development, Environment and Society ・Nuclear Engineering
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		・Global Engineering for Development, Environment and Society ・Energy Science and Engineering
Associate Professor	NAKAMURA, Takashi A（中村 恭志）	Computational Environmental Fluid Dynamics, Computational Scheme, Multi Physics Simulation		・Global Engineering for Development, Environment and Society
Associate Professor	NAKAMURA, Takashi B（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	VARQUEZ, Alvin Christopher Galang	Global Urban Climatology, Urban-scale Climate Change, Numerical Weather Prediction, GIS-based Dataset Construction		・Global Engineering for Development, Environment and Society
Professor	KANAE, Shinjiro	Hydrology, Hydrologic cycle, Water resources		・Global Engineering for Development, Environment and Society
Professor	YOSHIMURA, Chihiro	Water Quality Engineering, Aquatic Ecology, Biogeochemistry		・Global Engineering for Development, Environment and Society
Associate Professor	AOYAGI, Takahiro	Electromagnetic Compatibility (EMC), Wave Propagation, Educational Technology		・Global Engineering for Development, Environment and Society
Professor	OBARA, Toru	Reactor Physics, Nuclear Reactor Design, Passive Safe Reactor, Nuclear Safety		・Nuclear Engineering
Professor	HAYASHIZAKI, Noriyosu	Accelerator Physics and Engineering, Medical Accelerator, Accelerator Driven Neutron Source, Security of Radioactive Sources		・Nuclear Engineering ・Engineering Sciences and Design

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Professor	MATSUMOTO, Yoshihisa	Radiation Biology, Molecular Biology and Biochemistry, Basic Medicine		・Nuclear Engineering
Associate Professor	KATABUCHI, Tatsuya	Nuclear Transmutation, Neutron Capture Therapy, Radiation Measurement		・Nuclear Engineering
Associate Professor	SAGARA, Hiroshi	Nuclear Safety, Security and Non-proliferation (3S), Reactor Design for High-level-waste Transmutation Non-destructive Assay Technology		・Nuclear Engineering
Associate Professor	TSUTSUI, Hiroaki	Plasma Physics and Nuclear Fusion, Superconducting Magnetic Energy Storage System		・Nuclear Engineering
Associate Professor	HASEGAWA, Jun	Plasma Science and Technology, Ion Beam Application Studies, Inertial Fusion Studies, High Energy Density Science, Radiation Physics		・Nuclear Engineering
Professor	IKEGAMI, Masako	Science, Technology & Security, Nuclear Security, Nuclear Non-Proliferation, Arms Control & Disarmament, Advanced Technology R&D Policy Analysis		・Nuclear Engineering
Professor	KATO, Yukitaka	Zero-Carbon Energy Systems, Energy Storage & Conversion, Carbon Recycling Energy Systems, Chemical Heat Pump, Hydrogen Energy		・Nuclear Engineering
Professor	TSUKAHARA, Takehiko	Materials for Green and Energy transfromation,Lab-on-a-Chip, Environmental science, Analytical chemistry, Radiochemistry, Nuclear Fuel Cycle, Radioactive Waste Management		・Nuclear Engineering
Associate Professor	AKATSUKA, Hiroshi	Low-Temperature Plasma Chemistry and Plasma Physics		・Nuclear Engineering
Associate Professor	KIKURA, Hiroshige	Nuclear Reactor Safety, Process Control and Measurement System, Thermal Hydraulics, Safe Transport of Radioactive Material		・Nuclear Engineering
Associate Professor	KONDO, Masatoshi	Fusion reactor, Fast reactor, Material compatibility, Liquid metal technology		・Nuclear Engineering
Associate Professor	HARADA, Takuya	Inorganic Materials, Chemical Process Engineering, CO2 Capture & Utilization, Carbon Neutral Cycle		・Nuclear Engineering
Professor	SAIJO, Miki	Sociolinguistics, Communication Design, Human Centered Design, Knowledge management/Discourse management		・Engineering Sciences and Design

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Professor	SAITO, Shigeki	Engineering Design, Smart Materials, Micromechanics, Micro Robotics		・Engineering Sciences and Design
Associate Professor	INABA, Kazuaki	Mechanical Engineering, Solid and Structure Engineering, Engineering Design		・Engineering Sciences and Design
Associate Professor	OHASHI, Takumi	Human-centered design, Co-design, Cognitive psychology, Design process, Electronic devices		・Engineering Sciences and Design
Professor	TAKEDA, Yukio	Mechanical Systems Design		・Engineering Sciences and Design
Professor	TSUJIMOTO, Masaharu	Platform Strategy, Ecosystem Strategy, Social System Design		・Engineering Sciences and Design
Professor	YAGI, Tohru	Neural Engineering, Human Interface, Vision		・Engineering Sciences and Design
Associate Professor	NAKAMARU,Mayuko	Social simulation, Human behavior and evolution, Mathematical biology, Evolutionary game theory, coupled social-ecological systems model		・Engineering Sciences and Design
Professor	OTOMO, Junichiro	Energy Conversion Chemistry, Electrosynthesis, Fuel Cell, Hydrogen Energy Storage, Energy System Assessment, Integrated Energy Engineering		・Energy Science and Engineering
Professor	CROSS, Jeffrey Scott	Applied/Explainable AI (XAI), Bio-fuels, Catalysts, Ecotoxicology and System Science, Edtech, Renewable Energy Systems & Policy		・Energy Science and Engineering ・Global Engineering for Development, Environment and Society
Associate Professor	WAKEYAMA, Tatsuya	Energy policy, Power market model, GIS, Grid and market integration of renewable energy, Social acceptance of geothermal energy		・Energy Science and Engineering
Professor	GOTO, Mika	Corporate Management, Production Economics, Energy Economics		・Energy Science and Engineering