

List of Faculty

Tokyo Institute of Technology International Graduate Program (C)

Commencing in September 2022

School of Environment and Society

Dept. of Transdisciplinary Science and Engineering

Academic Supervisor		Research Field	Remark	Graduate Major
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	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	ABE, Naoya	Environmental and Social Sustainability, Water-Food-Energy insecurity, Applied Economics, International Development		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	TAKAGI, Hiroshi	Coastal Disaster Mitigation		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		Global Engineering for Development, Environment and Society Energy Science and Engineering

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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
Associate Professor	AOYAGI, Takahiro	Electromagnetic Compatibility (EMC), Wave Propagation, Educational Technology		Global Engineering for Development, Environment and Society
Associate Professor	YOSHIMURA, Chihiro	Water Quality Engineering, Aquatic Ecology, Biogeochemistry		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
Associate Professor	KATABUCHI, Tatsuya	Neutron Science, Nuclear Physics, 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
Associate Professor	MATSUMOTO, Yoshihisa	Radiation Biology, Molecular Biology and Biochemistry, Basic Medicine		Nuclear Engineering

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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
Associate Professor	AKATSUKA, Hiroshi	Low-Temperature Plasma Chemistry and Plasma Physics		Nuclear Engineering
Associate Professor	KIKURA, Hiroshige	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
Professor	TSUKAHARA, Takehiko	Materials for Green and Energy transformation, Lab-on-a-Chip, Environmental science, Analytical chemistry, Radiochemistry, Nuclear Fuel Cycle, Radioactive Waste Management		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, Scientific Literacy, Diffusion of Innovation		Engineering Sciences and Design
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
Professor	TAKEDA, Yukio	Mechanical Systems Design		Engineering Sciences and Design
Professor	TSUJIMOTO, Masaharu	Platform Strategy, Ecosystem Strategy, Social System Design		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
Associate Professor	YAGI, Tohru	Neural Engineering, Human Interface, Vision		Engineering Sciences and Design

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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
Professor	GOTO, Mika	Corporate Management, Production Economics, Energy Economics		Energy Science and Engineering