

List of Faculty
Tokyo Institute of Technology International Graduate Program (C)
Commencing in September 2022

School of Engineering

Dept. of Systems and Control Engineering

Academic Supervisor		Research Field	Remarks	Graduate Major
Professor	AMAYA, Kenji	Inverse Problems, Computational Mechanics, Electrochemical Analysis, Optical Analysis		Systems and Control Engineering
Professor	IMURA, Jun-ichi	Robot Intelligent Control, Control Theory Hybrid Systems Theory		Systems and Control Engineering
Professor	KURABAYASHI, Daisuke	Biorobotic systems, Distributed systems, Motion planning		Systems and Control Engineering Engineering Sciences and Design
Professor	KOSAKA, Hidenori	Thermodynamics, Fluid Dynamics, Internal Combustion Engine		Systems and Control Engineering
Professor	SAMPEI, Mitsuji	Control Theory		Systems and Control Engineering Engineering Sciences and Design
Professor	TSUKAGOSHI, Hideyuki	Biomimetic Soft Actuator, Fluid powered robot, Medical actuator		Systems and Control Engineering
Professor	NAKAO, Hiroya	Nonlinear Dynamics, Stochastic Processes, Self-organization Phenomena		Systems and Control Engineering
Professor	NAKASHIMA, Motomu	Sports Engineering, Biomechanics, Biorobotics, Musculoskeletal Analysis, Welfare Engineering		Systems and Control Engineering
Specially Appointed Professor	NAKADAI, Kazuhiro	Robot Audition, Computational Auditory Scene Analysis, Human-Machine Interaction	Prof. Nakadai belongs to research alliance laboratory with Honda Research Institute. Please make contact with the admission chair of the department, in advance.	Systems and Control Engineering
Associate Professor	ISHIZAKI, Takayuki	Systems and Control Theory, Power Systems, Distributed Energy Management System, Optimization		Systems and Control Engineering
Associate Professor	SATO, Susumu	Environmental Load Reduction in Transportation System, Control of Advanced Exhaust After-Treatment System, Alternative Fuels for Internal Combustion Engine		Systems and Control Engineering
Associate Professor	TANAKA, Masayuki	Computational photography, Image processing		Systems and Control Engineering
Associate Professor	HATANAKA, Takeshi	Cyber-Physical & Human Systems, Cyber-Physical Campus Energy Management, Networked Mobility, Distributed Optimization, Learning and Games		Systems and Control Engineering
Associate Professor	HAYAKAWA, Tomohisa	Control Theory, Dynamical Systems Theory, Smart Society, Game Theory		Systems and Control Engineering
Associate Professor	HARA, Seiichiro	Surface profile sensing, measurement information processing / evaluation, machining information sensing, surface texture design		Systems and Control Engineering
Associate Professor	MIYAZAKI, Yusuke	Biomechanics, Injury Preventive Engineering, Digital Human Modeling		Systems and Control Engineering
Associate Professor	YAMAKITA, Masaki	Control Engineering, Robotics		Systems and Control Engineering Engineering Sciences and Design

Academic Supervisor		Research Field	Remarks	Graduate Major
Specially Appointed Associate Professor	ITOYAMA, Katsutoshi	Music Information Processing, Statistical Signal Processing, Machine, Learning, Robot Audition, Animal Sound Analysis	Associate Prof. Itoyama belongs to research alliance laboratory with Honda Research Institute. Please make contact with the admission chair of the department, in advance.	Systems and Control Engineering
Professor	ISHII, Hideaki	Systems and Control, Control Over Networks		Systems and Control Engineering
Professor	TAKAYASU, Misako	Statistical Physics, Econophysics, Complex Networks		Systems and Control Engineering
Professor	NAKAYAMA, Minoru	Human Factors, Visual Perception, Language Processing, Educational System Evaluation, Educational Technology		Systems and Control Engineering
Professor	MIYAKE, Yoshihiro	Co-creation System, Human Communication, Cognitive Science, Self-Organization, Human Interface		Systems and Control Engineering
Professor	YAMAMURA, Masayuki	Artificial Intelligence, Systems / Synthetic Biology, Molecular Robotics, Artificial Life		Systems and Control Engineering
Associate Professor	AONISHI, Toru	Computational Neuroscience, Statistical Mechanics		Systems and Control Engineering
Associate Professor	ONO, Isao	Evolutionary Computation, Reinforcement learning, Optimization		Systems and Control Engineering
Associate Professor	TAKINOUE, Masahiro	Molecular robot, DNA nanotechnology, DNA computer, Artificial cell, Syntheti biology, Biomicrofluidics, Biophysics, Wet experiments		Systems and Control Engineering