Laboratory List

NAGOYA UNIVERSITY
GLOBAL 30
INTERNATIONAL PROGRAMS

Department of Environmental Engineering and Architecture, Graduate School of Environmental Stud

Graduate School	Department	Research Group	Research Area	Job title	Name	Research Interests
Environmental Studies	Environmental Engineering and Architecture	Transportation, Infrastructure, and Environmental Planning	Carbon Free, Safe, and Smart Society (Transportation Engineering)	Professor	Hideki Nakamura	Traffic Engineering; Urban transport policy; Road geometric design; Traffic operation; Traffic safety; User behavior modeling; Traffic simulation model; ITS
Environmental Studies	Environmental Engineering and Architecture	Transportation, Infrastructure, and Environmental Planning	Carbon Free, Safe, and Smart Society (Transport and Environmental Planning, Strategy for Local Transport Systems)	Professor	Hirokazu Kato	Low carbon & sustainable transport system; Environmental life cycle assessment of social stock; Resilient national & urban design; Region revitalization strategies
Environmental Studies	Environmental Engineering and Architecture	Transportation, Infrastructure, and Environmental Planning	Land, Urban and Mobility Design (Transportation Systems Analysis)	Professor	Tomio Miwa	Transportation planning; Travel behavior analysis; Intelligent transport systems; Traffic assignment models and traffic simulators
Environmental Studies	Environmental Engineering and Architecture	Transportation, Infrastructure, and Environmental Planning	Land, Urban and Mobility Design (Transportation Engineering)	Assoc. prof.	Miho Iryo	Traffic flow and safety analysis of vehicles, pedestrians and micromobility; Road design for multimodal transport; Traffic simulation development
Environmental Studies	Environmental Engineering and Architecture	Transportation, Infrastructure, and Environmental Planning	Carbon Free, Safe, and Smart Society (Transportation Engineering)	Lecturer	Xin Zhang	Evaluation of junction design and traffic signal control; Road user maneuver modeling; Traffic simulation
Environmental Studies	Environmental Engineering and Architecture	Environmental Engineering and Environmental System Engineering	Environmental System for Stock-type Society (Engineering of Environmental Systems)	Professor	Hiroki Tanikawa	Environmental system analysis; Resource and Energy Flow for Sustainable Cities; Material Stock and Flow analysis; Weight of cities overtime with 4d-GIS; Socio economical metabolism; Industrial Ecology
Environmental Studies	Environmental Engineering and Architecture	Environmental Engineering and Environmental System Engineering	Material and Energy Design (Environmental Studies of Materials)	Professor	Takashi Hibino	Electricity and hydrogen generation technology, Municipal solid waste treatment, Multifunctional cementitious materials design
Environmental Studies	Environmental Engineering and Architecture	Environmental Engineering and Environmental System Engineering	Environmental System for Stock-type Society (Environmental Economics, Resource Economics)	Assoc. prof.	Hiroaki Shirakawa	Analysis for economic and environmental interdependency among countries in the world, Evaluation of efficiency of urban environmental management, Economic evaluation of environmental policy
Environmental Studies	Environmental Engineering and Architecture	Environmental Engineering and Environmental System Engineering	Environmental System for Stock-type Society (Environmental and Sanitary Engineering, Environmental Emergency Management)	Assoc. prof.	Nagahisa Hirayama	Disaster prevention & preparedness in water system, Business continuity planning & risk communication for water utility, Redesign for water distribution system, Disaster debris management system
Environmental Studies	Environmental Engineering and Architecture	Environmental Engineering and Environmental System Engineering	Environmental System for Stock-type Society (Energy System)	Assoc. prof.	Hiroto Shiraki	Energy consumption behavior analysis, Technological and economic assessment of climate change mitigation measures, Power and energy system analysis using mathematical models
Environmental Studies	Environmental Engineering and Architecture	Environmental Engineering and Environmental System Engineering	Carbon Free, Safe, and Smart Society (Environmental Studies of Materials)	Assoc. prof.	Sho-ichi Iwamatsu	Transformation technologies for organic substances; Greener synthetic methodologies of artificial materials; Sustainable utilization of materials
Environmental Studies	Environmental Engineering and Architecture	Environmental Engineering and Environmental System Engineering	Material and Energy Design (Environmental Studies of Materials)	Assoc. prof.	Anatoly Zinchenko	Functional materials from biomass and plastic waste; Environmental pollution cleaning; Nanomaterials and environmental nanotechnologies; Sustainable chemical processes and materials upcycling technologies