Laboratory List

NAGOYA UNIVERSITY GLOBAL 30 INTERNATIONAL PROGRAMS

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

Graduate School	Department	Research Group	Research Area	Job title	Name	Email	Research Interests
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	kato@genv.nagoya-u.ac.jp	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 (Network Systems)	Professor	Tomio Miwa	miwa.tomio.n7@f.mail.nagoya-u.ac.jp	Transportation planning with future mobility, Citizen Initiative transportation planning, Travel behavior analysis, Travel demand prediction, Traffic simulation
Environmental Studies	Environmental Engineering and Architecture	Transportation, Infrastructure, and Environmental Planning	Land, Urban and Mobility Design (Transportation Engineering)	Professor	Miho Iryo	iryo.miho.p5@f.mail.nagoya-u.ac.jp	Traffic flow and safety analysis of vehicles, pedestrians and micromobility, Road design for multimodal transport, Traffic simulation development
Environmental Studies	Environmental Engineering and Architecture	Hydraulics, Hydrology, Coastal, and Ocean Engineering	Carbon Free, Safe, and Smart Society (Coastal and Ocean Engineering)	Professor	Tomoaki Nakamura	nakamura.tomoaki.e9@f.mail.nagoya-u.ac.jp	Coastal disaster prevention and mitigation, Coastal erosion, Wave power generation, Floating structure, Wave-seabed interaction
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	tanikawa.hiroki.z7@f.mail.nagoya-u.ac.jp	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	hibino@urban.env.nagoya-u.ac.jp	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	sirakawa@urban.env.nagoya-u.ac.jp	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	hirayama.nagahisa@nagoya-u.jp	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	shiraki.hiroto.g4@f.mail.nagoya-u.ac.jp	Energy consumption behavior analysis, Technological and economic assessment of climate change mitigation measures, Power and energy system analysis using mathematical models

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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	iwmt@urban.env.nagoya-u.ac.jp	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	zinchenko@urban.env.nagoya-u.ac.jp	Functional materials from biomass and plastic waste, Environmental pollution cleaning, Nanomaterials and environmental nanotechnologies, Sustainable chemical processes and materials upcycling technologies