

# Laboratory List

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 (Transportation Engineering)	Professor	Hideki Nakamura	<a href="mailto:nakamura@genv.nagoya-u.ac.jp">nakamura@genv.nagoya-u.ac.jp</a>	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	<a href="mailto:kato@genv.nagoya-u.ac.jp">kato@genv.nagoya-u.ac.jp</a>	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	Network Systems	Professor	Tomio Miwa	<a href="mailto:miwa.tomio.n7@f.mail.nagoya-u.ac.jp">miwa.tomio.n7@f.mail.nagoya-u.ac.jp</a>	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	<a href="mailto:iryu.miho.p5@f.mail.nagoya-u.ac.jp">iryu.miho.p5@f.mail.nagoya-u.ac.jp</a>	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	<a href="mailto:zhang.xin.j1@f.mail.nagoya-u.ac.jp">zhang.xin.j1@f.mail.nagoya-u.ac.jp</a>	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	<a href="mailto:tanikawa.hiroki.z7@f.mail.nagoya-u.ac.jp">tanikawa.hiroki.z7@f.mail.nagoya-u.ac.jp</a>	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	<a href="mailto:hibino@urban.env.nagoya-u.ac.jp">hibino@urban.env.nagoya-u.ac.jp</a>	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	<a href="mailto:sirakawa@urban.env.nagoya-u.ac.jp">sirakawa@urban.env.nagoya-u.ac.jp</a>	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	<a href="mailto:hirayama.nagahisa@nagoya-u.jp">hirayama.nagahisa@nagoya-u.jp</a>	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	<a href="mailto:shiraki@urban.env.nagoya-u.ac.jp">shiraki@urban.env.nagoya-u.ac.jp</a>	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	<a href="mailto:iwmt@urban.env.nagoya-u.ac.jp">iwmt@urban.env.nagoya-u.ac.jp</a>	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	<a href="mailto:zinchenko@urban.env.nagoya-u.ac.jp">zinchenko@urban.env.nagoya-u.ac.jp</a>	Functional materials from biomass and plastic waste, Environmental pollution cleaning, Nanomaterials and environmental nanotechnologies, Sustainable chemical processes and materials upcycling technologies