

English-based Program												
Department	Research Area	Research Instruction	Application Code		Main Supervisor	Vice Supervisor						
			Master	Doctor								
Department of Civil and Environmental Engineering	Infrastructure Engineering	Research on Concrete Engineering	Safety, reliability and risk issues, and long-term structural performance of concrete structures are investigated. This includes the researches on a lifetime improvement of existing concrete structures and development for next generation concrete structures (e.g. resilient structures). In particular, current task is focusing on the structural design methodology based on a life-cycle perspective and damage-free seismic-resistant concrete structures.	G15	G65	Professor	Doctor of Engineering (Tohoku University)	AKIYAMA, Mitsuyoshi	akiyama617@waseda.jp			
Department of Civil and Environmental Engineering	Infrastructure Engineering	Research on Underground Structure Engineering	Rational design method and construction method of underground structural are studied. We will also deal with research on maintenance of them. Main target structures are shield tunnels, deep shafts, cut and cover tunnels.	G01	G51	Professor	Doctor of Engineering (Waseda University)	IWANAMI, Motoii	miwanami@waseda.jp			
Department of Civil and Environmental Engineering	Infrastructure Engineering	Research on Structural Mechanics	Current research is mainly concerned with mechanical behaviors of civil engineering structures. Research interests include buckling and ultimate strength of steel structures, nonlinear problems, elasto-plastic problems, and reliability problems.	G03	G53	Professor	Doctor of Engineering (Osaka University)	ONO, Kiyoshi	k-ono@waseda.jp			
Department of Civil and Environmental Engineering	Infrastructure Engineering	Research on Structural design	Study on structural design including repair/strengthening for hybrid structures and structural system made from cementitious composite typified by concrete, steel, and FRPs	G19	G69	Professor	Doctor of Engineering (Hokkaido University)	SATO, Yasuhiko	y.sato@waseda.jp			
Department of Civil and Environmental Engineering	Environment and Disaster Prevention	Research on Water and Environmental Engineering	Experimental and theoretical studies in the field of water and environmental engineering will be conducted, which include (1) restoration of water environment with resource recycling process, (2) advanced water and wastewater treatment processes, and (3) conservation of water environment using bio-barrier and simulation of water quality.	G06	G56	Professor	Doctor of Engineering (Nagoya University)	SAKAKIBARA, Yutaka	sakaki@waseda.jp			
Department of Civil and Environmental Engineering	Environment and Disaster Prevention	Research on River Engineering	Studies on river mechanics, hydraulics and urban inundation are studied. The main research topics are (1) sediment transport in river and river channel evolution, (2) mechanism of sand wave formation on river bed, (3) mechanism of natural river migration, and (4) inundation process in highly urbanized area with underground space.	G07	G57	Professor	Doctor of Engineering (Waseda University)	SEKINE, Masato	sekine@waseda.jp			

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Department of Civil and Environmental Engineering	Environment and Disaster Prevention	Research on Soil Mechanics	Study on the mechanical and geotechnical engineering issues concerned with soil and foundation. 1) Mechanical characterization of sand and clay with microstructure. 2) Numerical simulation of mechanical response of soil due to the geotechnical construction activities, i.e. TBM tunnelling, Chemical injection and Pile driving. 3) Protection of geotechnical environment and remediation.	G08	G58	Professor	Doctor of Engineering (Waseda University)	AKAGI, Hirokazu	akagi@waseda.jp			
Department of Civil and Environmental Engineering	Environment and Disaster Prevention	Research on Tunnel Engineering	This subject is established under the alliance agreement between Japan Railway Technical Research Institute and Waseda University. Japan has become the leading country in the civil engineering world with advanced tunnel engineering. Next generation tunnel engineering is investigated based on the rich case histories of urban and mountain tunnels in Japan, including the maintenance and management technology.	G13	G63	Professor	Doctor of Engineering (Waseda University)	AKAGI, Hirokazu	akagi@waseda.jp	Associate Professor	Doctor of Engineering (Kyoto University)	TSUNO, Kiwamu
Department of Civil and Environmental Engineering	Environment and Disaster Prevention	Research on Coastal Engineering and Management	Study on the prevention of natural disasters, such as tsunamis, storm surges and high wave attacks are important research topics in coastal zone. Concepts in coastal engineering and hydrodynamics are studied and they are applied to multifarious environments. Global warming and resultant change of storm surge magnitude is calculated by using a numerical simulation model. Analyses of social system are also included in the study of coastal zone management.	G14	-	Professor	Doctor of Engineering (The University of Tokyo)	SHIBAYAMA, Tomoya	shibayama@waseda.jp			
Department of Civil and Environmental Engineering	Environment and Disaster Prevention	Research on Geotechnical Engineering	Under the slogan "Doctor for the Earth", this section develops practical technologies for mitigating natural disaster damage and solving environmental problem on the basis of Geotechnical engineering. Disposal technology for nuclear waste and radioactive contaminated soils. Infrastructure reinforcement against Global warming/Climate change. Carbon dioxide fixation using industry wastes and developing ICT-civil engineering including countermeasures against liquefaction.	G16	G66	Professor	Doctor of Engineering (Waseda University)	KOMINE, Hideo	hkomine@waseda.jp			
Department of Civil and Environmental Engineering	Planning and Management	Research on Landscape and Design	The focus of the study of our laboratory is to develop the methodology of human-oriented city and region. Human-oriented planning takes important role to create healthy and attractive region and city. Through the data collection and analysis on the human behavior, we pursue the better understanding of human behavior and show the effective measures for city and region.	G12	G62	Professor	Doctor of Engineering (The University of Tokyo)	SASAKI, Yo	yoh@waseda.jp			
Department of Civil and Environmental Engineering	Planning and Management	Research on Transportation Planning	Focuses on the integration of land use and transportation planning for the sustainable city, studying the empirical solution of urban transportation planning issues. Also covers the role of environmental friendly traffic mode such as Light Rail Transit and bicycle, traffic impact assessment and traffic safety.	G17	G67	Professor	Doctor of Engineering (Waseda University)	MORIMOTO, Akinori	akinori@waseda.jp			

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Department of Civil and Environmental Engineering	Planning and Management	Research on city and regional Planning	The focus of the study is the human-oriented city and regional planning, which is important to create active and attractive region and city. Through the data collection and analysis on the human behavior, we pursue the better understanding of human behavior and show the efficient evidence for city and regional planning.		G10	G60	Professor	Doctor of Engineering (Kyoto University)	SASAKI, Kuniaki	sasaki.k@wa-seda.jp			