Faculty Members and Research Fields

### Infrastructure Technology and Design (A)

- **Junichi KOSEKI**
  - Professor
  - Research Fields: Seismic Stability of Retaining Walls, Deformation Properties of Geomaterials, Liquefaction, Ground Improvement and Soil Reinforcement

- **Reiko KUWANO**
  - Professor
  - Research Fields: Laboratory Soil Test, Long-term Behaviour of Buried/Earth Structure, Ground Cave-in, Internal Erosion

- **Kenji WATANABE**
  - Associate Professor
  - Research Fields: Seismic stability of earth structure, Performance based design, Reinforcement of existing earth structure/slope against earthquake and heavy rainfall

- **Takashi KIYOTA**
  - Associate Professor
  - Research Fields: Geo-disaster Mitigation Engineering, Field damage survey, Liquefaction assessment, Landslide

### Infrastructure Technology and Design (B)

- **Takeshi SHIMADA**
  - Professor
  - Research Fields: Wind Engineering, Wind Energy, Typhoon Disaster Mitigation, Computational Fluid Dynamics, Structural Dynamics

- **Tetsuya ISHIDA**
  - Professor
  - Research Fields: Nonlinear Mechanics of Aging Concrete, Multi-scale and Multi-chemistry-physics of Structural Concrete

- **Toshiharu KISHI**
  - Professor
  - Research Fields: Material Science of Concrete, Durability of RC Structures, Self-healing Concrete, Fresh property, Rheology

- **Tomonori NAGAYAMA**
  - Associate Professor
  - Research Fields: Bridge engineering, Structural control and monitoring, Integration of structural and vehicular dynamic models and observation, Structural load

- **Kohei NAGAI**
  - Associate Professor
  - Research Fields: Concrete Engineering, Meso-Scale Analysis, Fiber, Reinforced Cementitious Composite, Anchorage Performance of RC, Infrastructure Management

- **Tsukasa MIZUTANI**
  - Associate Professor
  - Research Fields: Big data construction of infrastructure/surface, Real-time analysis, Radar/Laser sensing, Vibration, Digital signal processing/Image processing

- **Atsushi YAMASHITA**
  - Project Associate Professor
  - Research Fields: Wind engineering, Wind power engineering, Wind resource and site assessment, Load estimation on wind turbine, Wind speed and power forecasting

- **Dai SUZUKI**
  - Project Associate Professor
  - Research Fields: Structural Simulation, Dynamics of Bridge Structures, Structural Health Monitoring

- **Yu TAKAHASHI**
  - Assistant Professor
  - Research Fields: Durability Mechanics of Reinforced Concrete, Thermo-hygro Physics of Cementitious Composites, Life-span Assessment and Planning

- **Yuya SAKAI**
  - Assistant Professor
  - Research Fields: Construction Materials Engineering, Recycling, Non-destructive Testing, Mass Transfer in Concrete, High-speed Impact Test

- **Go IGARASHI**
  - Project Assistant Professor
  - Research Fields: Numerical simulation on structural performance of new cementitious materials and structure, Long-term durability of construction materials

### Hydromechanics and Environment

- **Yoshimitsu TAJIMA**
  - Professor
  - Research Fields: Coastal Hydrodynamics, Coastal Protections and Beach Topography Changes, Mitigations and Management of Flood Disaster

- **Koji IKEUCHI**
  - Professor
  - Research Fields: River Engineering, Water and Disaster Management, Conservation and Restoration of River Environment

- **Taikan OKI**
  - Professor
  - Research Fields: Global hydrology and water resources, Water, climate change-food and energy, Sustainable water cycle and land

- **Takeyoshi CHIBANA**
  - Associate Professor
  - Research Fields: Ecosystem management in a river basin, River morphology, River engineering, River environmental protection and restoration

- **Takanori SHIMOZONO**
  - Associate Professor
  - Research Fields: Wave Modeling, Coastal Morpho-dynamics and Disaster Prevention

- **Yohei SAWADA**
  - Associate Professor
  - Research Fields: Hydrometeorological disaster prediction, Simulation-observation integration

- **Kei YOSHIMURA**
  - Professor
  - Research Fields: Isothermal Meteorology, Land Surface Processes, Dynamical Downscaling, Earth System Model Development, Civilization and Climate Change

- **Dai YAMAZAKI**
  - Associate Professor
  - Research Fields: Hydrology, Global Hydrodynamics, Modelling and Remote Sensing of Surface Waters, Hydro-topography Analysis

- **Akiyuki KAWASAKI**
  - Project Professor
  - Research Fields: Flood Disaster Risk Reduction, Poverty, Basin Development Plan, Water Cycle Data Integrator, GIS / Spatial Modelling

- **Kazuo OKI**
  - Project Professor
  - Research Fields: Global Monitoring for Ecology and Environment, River Basin Management with RS and GIS

### Infrastructure Development and Management

- **Kazumasa OZAWA**
  - Professor
  - Research Fields: Project management, Public procurement, Infrastructure management, Human resource management, International project management

- **Yu MAEMURA**
  - Assistant Professor
  - Research Fields: Conflict management and negotiation, development aid policy and practice, project evaluation, inter-cultural communication

- **Muneo HIRAI**
  - Project Professor
  - Research Fields: Computational earthquake engineering, i-Construction system studies, Applied mechanics

- **Pang-jo CHUN**
  - Project Associate Professor
  - Research Fields: Infrastructure maintenance with the use of ICT, i-Construction system studies

### Design and Landscape

- **Yu NAKAI**
  - Professor
  - Research Fields: Civic Design, Landscape Design, Civil Engineering History

### Transportation Engineering and Planning

- **Eiji HATOU**
  - Professor
  - Research Fields: Urban planning and transportation engineering

- **Takamasa IRYO**
  - Professor
  - Research Fields: Network traffic studies

- **Takashi OGURO**
  - Professor
  - Research Fields: Traffic management and control, Traffic flow analysis, Road geometric design, Mobility innovation

- **Hideyuki KANOSHIMA**
  - Associate Professor
  - Research Fields: Transport policy

### Spatial Information

- **Takashi FUSE**
  - Professor
  - Research Fields: Spatial information engineering, Regional dynamics analysis, Integration of measurement and simulation, Photogrammetry, Image processing, 3D visualization

- **Yoshishi SEKIMOTO**
  - Associate Professor
  - Research Fields: Human-only dynamics analysis, Assimilation of models and observed data, Machine learning using crowd sourcing, Distribution of social infrastructure information, Promotion of open data

- **Wataru TAKEUCHI**
  - Professor
  - Research Fields: Remote sensing of environment and disaster, Interaction between terrestrial ecosystem and human society

- **Takayoshi ICHIMURA**
  - Professor
  - Research Fields: Urban and social simulation, Computational science, Earthquake engineering

- **Laith WUERATHNE**
  - Associate Professor
  - Research Fields: Computational failure mechanics, System integration, Multi-agent based simulation

### International Project

- **Hironori KATO**
  - Professor
  - Research Fields: International transportation studies, Transportation planning, Transportation policy, Transportation economics, Transportation finance

- **Shunsaku KOMATSUZAKI**
  - Associate Professor
  - Research Fields: Public Policy Studies, Institutional Studies on Infrastructure Development, Social Innovation, Case Study of International Project

- **So MORIYAMA**
  - Assistant Professor
  - Research Fields: Public administration and public policy

### Earthquake and Disaster Mitigation Engineering

- **Kimio MEGURO**
  - Professor
  - Research Fields: Comprehensive Disaster Management Strategy, Structural and Non-structural Countermeasures for Disaster Reduction, International Cooperation for Disaster Reduction

- **Muneyoshi NUMADA**
  - Associate Professor
  - Research Fields: Disaster management system, Medical system, Disaster information, Disaster database

**NOTE:** The list only includes faculty members who assume supervision responsibility for international students.

**UPDATED:** Oct. 2019