

Technological Directory - Graduate School and Faculty of Engineering (2020)

Research Centers

Discipline	Field	Expertise	Keyword 1	Keyword 2	Keyword 3	Open to consultations on	Research Center	Researcher	Related researchers
Engineering	Architecture	Fire Engineering	Building fire	Fire resistance	Structural performance of fire-damaged buildings	Structural analysis using FEM/ Heat flow analysis using FEM/ Thermal stress analysis using FEM/ Fireproof examination	Structural Research Center	NISHINO Takayoshi, Professor	
Engineering	Architecture	Fire engineering	Building fire	Fire resistance	Diagnosis of fire-damaged buildings	Research and evaluation of fire resistance for building materials and members /Investigation and diagnosis for fire-damaged buildings	Structural Research Center	YOSHIDA Masatomo, Professor	
Engineering	Civil Engineering	Bridge Engineering	Bridge slab design based on fatigue	Bridge maintenance	Bridge innovation for long life durability	Technologies how to get high performance of various types of bridge decks/Technologies to maintain high durability of existing bridge members from fatigue deterioration, environmental deterioration and material defects/ Innovative technologies to get high durable bridge	Structural Research Center	MATSUI Shigeyuki, Guest professor	
Engineering	Electrical and Electronic Engineerig	Infrared Engineering Thermoelectric Engineering	Thermochromic smart windows	Infrared sensors	Thermoelectric devices and systems	Research and development of thermochromic smart windows Evaluation of infrared sensors Research and evaluation of thermoelectric devices and systems Photoacoustic spectroscopic analysis	Nanomaterials Microdevices Research Center	WADA Hideo, Professor	Toshihiko Maemoto, Professor Kazuto Koike, Professor