Graduate School of Engineering Science Specialization and Research Field of supervisors

Department	Unit	Name	Title	Specialization (M:Master's program) (D:Doctoral program)	Research Field	Language Requirements	Type of Students Accepted	
							Doctoral	Master's
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	ARAKI Takuto	Professor	Mechanical Engineering(MD) and Energy Materials(D)	Thermo-fluid Dynamics, Mass and heat Transfer, Fuel Cells, Micro Electro Mechanical Systems	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	ISHII Kazuhiro	Professor	Mechanical Engineering(MD) and Aerospace Engineering(M)	Combustion Engineering, Chemical Propulsion	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	<u>YU Qiang</u>	Professor	Mechanical Engineering(MD)	Computational Mechanics, Strength of Materials	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	OZAKI Shingo	Professor	Mechanical Engineering(MD) and Energy Materials(D)	Constitutive Equation, Plasticity, Friction, Self-healing materials, Terramechanics	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	<u>SATO Yasukazu</u>	Professor	Mechanical Engineering(MD)	Mechatronics, Electromechanical Systems, Fluid Power Control, Power Transmission	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	SANADA Kazushi	Professor	Mechanical Engineering(M)	Control Engineering	Japanese or English	-	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	NISHINO Koichi	Professor	Mechanical Engineering(M)	Turbulence, Flow Visualization and Measurement, Utilization of Digital Image Processing Technique	Japanese or English	-	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	HYAKUTAKE Toru	Professor	Mechanical Engineering(MD)	Computational Fluid Dynamics, Biomechanics, Micro Nano Flow	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	MAEDA Yusuke	Professor	Mechanical Engineering(MD)	Robotics, Manufacturing systems engineering	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	MATSUI Jun	Professor	Mechanical Engineering(MD)	Internal Flow in Fluid Machinery , Computational Fluid Dynamics	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	MARUO Shoii	Professor	Mechanical Engineering(MD)	Ultrahigh-precision 3D printing, Micromachine, Micro Total Analysis System	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	INOUE Fumihiro	Associate Prof.	Mechanical Engineering(M)	Advanced Packaging and 3D Integration	Japanese or English	-	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	OTA Hiroki	Associate Prof.	Mechanical Engineering(MD)	Micro/Nano fabrication, Sensor engineering, Soft material	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	KATO Ryu	Associate Prof.	Mechanical Engineering(MD)	Robotics, Medical welfare machine, Rehabilitation engineering, Brain machine interface	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	KITAMURA Keiichi	Associate Prof.	Mechanical Engineering(MD) and Aerospace Engineering(M)	Aerodynamics, Computational Fluid Dynamics, Hypersonic Flow, Multiphase Flow	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	SAKAI Seigo	Associate Prof.	Mechanical Engineering(MD)	Heat Transfer, Numerical Simulation, Radiative Exchange	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	<u>SHINOZUKA Jun</u>	Associate Prof.	Mechanical Engineering(MD)	Cutting, FEM, Dynamic Behavior of Material	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	TAKAO Yoshinori	Associate Prof.	Mechanical Engineering(MD) and Aerospace Engineering(M)	Electric Propulsion, Plasma Application	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	HARA Kensuke	Associate Prof.	Mechanical Engineering(M)	Multibody dynamics, Fluid-structure interaction, Nonlinear vibration	Japanese or English	-	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Mechanical Engineering	FUCHIWAKI Ohmi	Associate Prof.	Mechanical Engineering(MD)	Micro mechanism, Micro manipulation, Actuator, Precise mobile robot	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	UMEZAWA Osamu	Professor	Materials Science Frontier(MD) and Energy Materials(D)	Physical Metallurgy, Microstructural Design and Control, Deformation and Fracture	Japanese or English	0	0

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Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	NAKAO Wataru	Professor	Materials Science Frontier(MD) and Energy Materials(D)	Machine material/material mechanics, Inorganic material/physical properties, Structural/functional materials	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	HASEGAWA Makoto	Professor	Materials Science Frontier(MD) and Aerospace Engineering(M)	Strength of Materials, Fracture Mechanics, Microstructure Control, Composites, Coatings	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	HIROSAWA Shoichi	Professor	Materials Science Frontier(MD) and Energy Materials(D)	Structural Materials Design, Microstructural Control of Metals, Computational Materials Science	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	MUKAI Kohki	Professor	Materials Science Frontier(MD)	Semiconductor Nanostructures, Quantum Optical Material, Optoelectronics Materials, Microfabrication of Metals	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	OHTAKE Mitsuru	Associate Prof.	Materials Science Frontier(MD) and Energy Materials(D)	Nanomaterials, Crystal Growth, Magnetism	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	OONO-HORI Naoko	Associate Prof.	Materials Science Frontier(MD)	Reactor Structural Materials, Extreme Materials, Microstructure Analysis	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	NAKATSUGAWA Hiroshi	Associate Prof.	Materials Science Frontier(MD)	Functional Material Engineering, Solid State Physics, Thermoelectric Materials, First Principles Calculation	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	MAENO Tomoyoshi	Associate Prof.	Materials Science Frontier(MD)	Manufacturing Processes, Forming Processes	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Materials Science Frontier	OSADA Toshio	Visiting Prof.	Energy Materials(D)	High Temperature Structural Materials, Microstructure of Materials, Strength of Materials, Fracture Mechanics	Japanese or English	0	-
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	OKADA Tetsuo	Professor	Systems Design for Ocean-Space(MD)	Ship Structural Design, Structural Analysis	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	KAWAMURA Yasumi	Professor	Systems Design for Ocean-Space(MD)	Structural Mechanics, Computer Aided Engineering, Structural Reliability	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	NISHI Yoshiki	Professor	Systems Design for Ocean-Space(MD)	Marine Resource, Deepsea development, Seawater desalination	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	<u>MIYAJI Koji</u>	Professor	Systems Design for Ocean-Space(MD) and Aerospace Engineering(M)	High Speed Aerodynamics, Computational Fluid Dynamics, Aircraft Design	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	MURAI Motohiko	Professor	Systems Design for Ocean-Space(MD)	Design of Ocean Structures, Hydroelastic Responses of Huge Floating Structures, Hydrodynamics, Ocean Environmental Engineering, Ocean energy	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	TAKAGI Youhei	Associate Prof.	Systems Design for Ocean-Space(MD)	Computational Fluid Dynamics, Drag Reduction, Multiphase Flow	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	HIGUCHI Takehiro	Associate Prof.	Systems Design for Ocean-Space(MD) and Aerospace Engineering(M)	Attitude Control / Guidance and Control of Aerspace Vehicles, Aerospace Systems Design, Optimal Control, Unmmanned Aerial Vehicles	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	HIRAKAWA Yoshiaki	Associate Prof.	Systems Design for Ocean-Space(MD)	Ship Motion, Ocean Wave, Experiments in Towing Tank and Actual Sea	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	MITSUYUKI Taiga	Associate Prof.	Systems Design for Ocean-Space(MD)	Complex Systems Design, Systems Engineering	Japanese or English	0	0
Mechanical Engineering, Materials Science, and Ocean Engineering	Systems Design for Ocean-Space	<u>Ц Qiao</u>	Associate Prof.	Systems Design for Ocean-Space(M)	Motion Responses of Floating Structures, Marine Renewable Energy, Aquacultural Engineering	Japanese or English	-	0