

Faculty Members and Research Fields **(Master's Program)**

Solid Mechanics and Materials Engineering

Professors:

Miyazaki, Tatsujiro: Dr. Eng., Kyushu University, 2003
Strength of Materials, Mechanics of Interface, Metal Fatigue.
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Oshikawa, Wataru: Dr. Eng., The University of Tokyo, 2005
Corrosion and Corrosion Protection
E-mail: oshikawa@tec.u-ryukyu.ac.jp

Shibata, Shinichi: Dr. Eng., Niigata University, 1999
Composite material, Bio polymer.
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Associate Professors:

Fujikawa, Masaki: Dr. Eng., Aoyama Gakuin University, 2006
Computational Mechanics, Experimental Mechanics, Solid Mechanics.
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Kanda, Yasuyuki: Dr. Eng., University of the Ryukyus, 2008
Material Processing
E-mail: kanda@tec.u-ryukyu.ac.jp

Kondou, Ryouji: Dr. Eng., Okayama University, 2003
Theory of Plasticity, Theory of Crystal Plasticity, Theory of Dislocations.
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Sueyoshi, Toshiyasu: Ph.D. (Information Sciences), Tohoku University, 2004
Engineering of Plasticity, Plastic Constitutive Equation, Numerical Analysis.
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Thermal and Fluid Engineering

Professors:

Nosoko, Takehiro: Dr. Eng., Keio University, 1986
Wave Dynamics on Falling Films, Mass Transfer into Film Flow, Solar Desalination, Drying.
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Senaha, Izuru: Dr. Eng., Nagoya University, 2001
Thermal Engineering, Heat Transfer Engineering, Fluid Dynamics.
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Yaga, Minoru: Dr. Eng., Kyushu University, 1989
Impingement Heat Transfer, Under Expanded Jet, Compressible Flow.
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Associate Professors:

Ameku, Kazumasa: Dr. Eng., University of the Ryukyus, 2009
Wind Energy, Wind Turbine Generator.
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Ishikawa, Masaaki: Dr. Eng., University of Fukui, 2000
Engineering of Multiphase Flow, Fluid Dynamics, PIV (Particle Image Velocimetry).
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Matsuda, Shoichi: Dr. Eng., University of the Ryukyus, 2001
Thermal Engineering, Heat Transfer Engineering, Fluid Dynamics, Welding Engineering.
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Minakuchi, Hisashi: Dr. Eng., Shizuoka University, 2006
Chemical Engineering, Heat and Mass Transfer.
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Assistant Professors:

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Thermal Engineering, Physical Chemistry
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Intelligent Machine Systems

Professors:

Kinjo, Hiroshi: Dr. Eng., Tokushima University, 1994
Control Engineering, Signal Processing, Intelligent Systems.
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Kurata, Koji: Dr. Eng., The University of Tokyo, 1995
Mathematical Engineering, Neural Networks, Self-Organization.
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Associate Professors:

Nakazono, Kunihiko: Dr. Eng., Keio University, 2010
Control Engineering
E-mail: nakazono@tec.u-ryukyu.ac.jp

Oshiro, Naoki: Dr. Eng., Osaka University, 2000
Robot vision, Machine learning.
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Assistant Professors:

Miyata, Ryota: Dr. Eng., Tokyo Institute of Technology, 2014
Artificial Intelligence, Machine Learning, Data Mining.
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Electrical Energy and Systems Control Engineering

Professors:

Higa, Hiroki: Dr. Eng., Tohoku University, 1997
Medical Instrumentation, Therapeutic and prosthetic devices.
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Power Electronics, Electronic Machine, Power System Engineering, Intelligent Control Engineering, Renewable Energy Engineering, System Optimization.
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Urasaki, Naomitsu: Dr. Eng., University of the Ryukyus, 2004
Electric Machinery, Motor Drives, Power Electronics.
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Yonesu, Akira: D.Sc., Kyushu University, 1989
Plasma Engineering
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Associate Professors:

Hanba, Shigeru: Ph. D., The Graduate University for Advanced Studies, 1996
Nonlinear Control Theory
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Harada, Shigemi: Dr. Eng., Hiroshima University, 1999
Power System Analysis
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Nagado, Tsutomu: Dr. Eng., Waseda University, 1997
Control Engineering
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Magnetic Materials and Applications, Magnetic Measurement, Magneto-elastic Effects.
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Assistant Professors:

Shimoji, Nobuaki: Dr. Sc., University of the Ryukyus, 2007
Atmospheric Electricity
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Power Energy Conversion
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Electronic Systems and Devices

Professors:

Higa, Akira: Dr. Eng., Osaka University, 1996
Thin Film Engineering, Carbon Materials, Solid State Electronics
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Nagata, Yasunori: Dr. Eng., Meiji University, 1996
Fault tolerant systems, Asynchronous systems, Multiple-valued logic, Embedded systems
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Yamazato, Masaaki: Dr. Eng., Kumamoto University, 1999
Electronic materials and devices, Bio materials.
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Organic Electronics
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Kinjo, Mitsunaga: Dr. Inf. Sci., Tohoku University, 2001
Quantum Computation, Quantum Algorithms, Quantum Devices.
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Nozaki, Shinya: Dr. Eng. University of the Ryukyus, 2003
Image Processing, Soft Computing.
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Wireless Communications
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Optical Device Instrumentation Technology
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Thin Film Semiconductor
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Reconfigurable Systems, Computer Architecture.
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Civil Engineering

Professors:

Ando, Tetsuya: Dr. Eng., The University of Tokyo, 1992
Urban and Regional Planning, Traditional Landscape Design.
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Geotechnical Engineering, Rock Mechanics
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Hydraulics, Numerical Simulation, Coastal Engineering, Integrated Coastal Zone Management, Coastal Zone Ecosystem, Coral Sea Engineering, Waves and Currents in Coral seas, Internal Waves, Design of Maritime Structures, Fluid dynamics, Elasticity.
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Structural Engineering, Steel-structural Engineering, Bridge-maintenance Engineering.
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Tomiyama, Jun: Dr. Eng., University of the Ryukyus, 2000
Concrete Engineering, Computational Mechanics.
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Associate Professors:

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Hydraulics, River Engineering, Computational Fluid Dynamics
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Urban and Regional Planning, Disaster Risk Management.
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Geosphere Engineering, Computational Engineering and Science
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Suda, Yuya: Dr. Eng., Niigata University, 2013
Cement Chemistry, Concrete Engineering.
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Steel-Structural Engineering, Fatigue, Structural Analysis.
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Assistant Professors:

Iribe, Tsunakiyo: Dr. Eng., University of the Ryukyus, 2012
Hydraulics, Coastal Engineering, Computational Fluid Dynamics.
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Architecture & Building Engineering

Professors:

Castro Juan Jose: Ph.D., Tsukuba University, 1994
Seismic and Wind Engineering for Buildings Structures, Foundation Engineering,
Reinforced Concrete Structures, Urban Disaster Mitigation.
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Nakada, Koza: Dr. Eng., University of the Ryukyus, 2008
Structural Engineering
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Urban Planning, Landscape and Land Use Planning, Urban Politics and Planning Systems.
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Urban Planning, Rural Area Planning, Community Environment, Housing Policy and
Planning, Historical Environment and Heritage Preservation.
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Yamada, Yoshitomo: Dr. Eng., Utsunomiya University, 2000
Construction Materials (Buildings), Concrete Engineering, Fresh Concrete Rheology.
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Associate Professors:

Irie, Toru: Dr. Eng., Yokohama National University, 2002
Architectural Design, Architectural Theory.
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Sakihara, Kohei: Dr. Eng., Toyo University, 2013
Building Materials, Concrete Engineering, Computational Engineering
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Tokashiki, Takeshi: Dr. Eng., Shinshu University, 2005
Environmental Engineering, Room Acoustics.
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Assistant Professors:

Kinjo, Haruno: University of the Ryukyus, 2019
Architectural Design.
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Nakamatsu, Ryo: University of the Ryukyus, 2005
Environment Engineering, Thermal Environment.
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Computer Science and Intelligent Systems

Professors:

Endo, Satoshi: Dr. Eng., Hokkaido University, 1995
Artificial Intelligence, Neural Networks, Intelligent Systems, Adaptive Algorithms,
Machine Learning.
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Data Science, Machine Learning, Information Security, Signal Processing, Media
Transmission, Image/Video Coding, Channel Coding.
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Nakamura, Morikazu: Dr. Eng., Osaka University, 1995
Mathematical Systems Science, Computational Intelligence, Parallel and Distributed
Systems.
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Okazaki, Takeo: Dr. Eng., University of the Ryukyus, 2014
Data Science, Mathematical Statistics, Media Informatics.
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Human-Computer Interaction (HCI), BodySharing, User Interface and Human Interface.
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Wada, Tomohisa: Dr. Eng., Osaka University, 1994. Master of Science in Stanford University,
1991.
Digital Wireless Communication, OFDM Communication System, Underwater Acoustic
Communication System, System VLSI Design, Digital & Analog Circuit Design and Digital
Computer Design.
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Yamada, Koji: Dr. Eng., Hokkaido University, 1995
Complex Systems, Intelligent Robotics, Artificial life, Evolutional Computation.
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Associate Professors:

Akamine, Yuhei: Dr. Eng., University of the Ryukyus, 2004
Computer Vision, Augmented Reality, Intelligent Transport Systems.
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Kang, Dongshik: Dr. Eng., University of Osaka Prefecture, 1999
Artificial Intelligent Systems, Audio & Image Signal Processing, EEG Signal Analysis and
Classification, Geographic Information Systems.
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Kono, Shinji: Ph.D. (Eng.), The University of Tokyo, 1989
Temporal Logic Based Program Specification and Synthesis, Concurrent Object Oriented
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Neural Networks, Adaptive Signal Processing, Computer Vision, Data Mining Systems
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Toma, Naruaki: Dr. Eng., University of the Ryukyus, 2003
Complex Systems, Artificial Intelligence, Web Intelligence.
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Assistant Professor:

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Complex systems, Bio-information, Behavior and mechanics of lower animals.
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