

Faculty Members and Research Fields **(Doctoral Program)**

Material, Structural and Energy Engineering Course

Processing Development 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.
E-mail: castro@tec.u-ryukyu.ac.jp

Higa, Akira: D. Eng., Osaka University, 1996
Thin Film Engineering, Carbon Materials, Solid State Electronics.
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Maehira, Takahiro: D. Sc., Niigata University, 2000
Condensed matter physics, Electronic structure and the Fermi surface of actinide and rare-
earth compounds (Theoretical Physics).
E-mail: maehira@sci.u-ryukyu.ac.jp

Miyazaki, Tatsujiro: Dr. Eng., Kyushu University, 2003
Strength of Materials, Interface Mechanics, Metal Fatigue.
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Nakada, Koza: Dr. Eng., University of the Ryukyus, 2008
Structural Engineering, Reinforced Concrete Structures
E-mail: k-nakada@tec.u-ryukyu.ac.jp

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 materials, Bio materials.
E-mail: shibata@tec.u-ryukyu.ac.jp

Shimozato, Tetsuhiro: Dr. Eng., University of the Ryukyus, 2008
Structural Engineering, Steel-structural Engineering, Bridge Design and Maintenance.
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Tomiyama, Jun: Dr. Eng., University of the Ryukyus, 2000
Computational Mechanics, Concrete Materials, Concrete Engineering.
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Yamada, Yoshitomo: Dr. Eng., Utsunomiya University, 2000
Construction Materials (Buildings), Concrete Engineering, Fresh Concrete Rheology.
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Yonesu, Akira: D. Sc., Kyushu University, 1989
Plasma Engineering
E-mail: yonesu@eee.u-ryukyu.ac.jp

Associate Professors:

Kondou, Ryouji: Dr. Eng., Okayama University, 2003
Theory of Plasticity, Theory of Crystal Plasticity, Theory of Dislocations.
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Tahara, Shuta: Dr. Sc., Kyushu University, 2011
Condensed matter physics, structure and physical properties of disordered materials
(Experimental and Computational Physics).
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Energy Development Engineering

Professors:

Aso, Naofumi: D. Sc., Tohoku University, 1997
Solid state physics, magnetism and superconductivity of strongly correlated electron systems studied by neutron scattering and magnetic and transport measurements (Experimental Physics).
E-mail: aso@sci.u-ryukyu.ac.jp

Hedo, Masato: D. Sc., Osaka University, 1998
Solid state physics, magnetic and transport properties in multiple extreme conditions on the strongly correlated electron systems (Experimental Physics).
E-mail: hedo@phys.u-ryukyu.ac.jp

Senaha, Izuru: Dr. Eng., Nagoya University, 2001
Thermal Engineering, Heat Transfer Engineering, Fluid Dynamics.
E-mail: senaha@tec.u-ryukyu.ac.jp

Urasaki, Naomitsu: Dr. Eng., University of the Ryukyus, 2004
Electric Machinery, Motor Drives, Power Electronics.
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Yaga, Minoru: Dr. Eng., Kyushu University, 1989
Impingement Heat Transfer, Under Expanded Jet, Compressible Flow.
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Yasuda, Chitoshi: D. Sc., Tokyo University of Science, 1998
Condensed matter physics, especially theory of magnetism and the randomness effects (Theoretical Physics).
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Associate Professors:

Matsubara, Hitoshi: Dr. Eng., University of the Ryukyus, 2005
Geosphere Engineering, Computational engineering and science.
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Yogi, Mamoru: D. Sc., Osaka University, 2004
Solid state physics, especially NMR and NQR on the strongly correlated electron systems (Experimental Physics).
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Interdisciplinary Intelligent Systems Engineering Course

Environment and Information Engineering

Professors:

Ando, Tetsuya: Dr. Eng., The University of Tokyo, 1992
Urban and Regional Planning, Civil Engineering.
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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
Mathematical statistics, Data science, Bioinformatics, Social behavior analysis.
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Ono, Hiroko: Ph.D., Tsukuba University, 2003
Urban Planning, Ecological Land Use Planning, Land scape, Watershed Based Planning,
Community Planning, Urban Politics.
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Shiina, Ryosuke: D.Sc., Tokyo University of Science, 1995
Condensed matter theory, especially electron correlations in solids.
E-mail: shiina@sci.u-ryukyu.ac.jp

Shimizu, Hajime: Dr. Eng., Kyoto University, 1994
Urban Planning, City Planning, Rural Area Planning, Housing Planning, Community
Environment, Housing Policy.
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Tamaki, Emi: Ph.D., The University of Tokyo, 2021
Human-Computer Interaction (HCI), Body Sharing, User Interface and Human Interface.
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Uryu, Koji: Ph.D., The University of Tokyo, 1995
Astrophysics, General Relativity, Relativistic Astrophysics, and Gravitational Wave
Astronomy.
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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:

Taniguchi, Keisuke: D. Sc., Kyoto University, 1999
Astrophysics, General Relativity, Relativistic Astrophysics, and Gravitational Wave
Astronomy.
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Electronics and Information Engineering

Professors:

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Artificial Intelligence, Neural Networks, Intelligent Systems, Adaptive Algorithms,
Machine Learning.
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Biomedical systems, Assistive devices, Bioinstrumentation.
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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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Nakachi, Takayuki: Ph.D., Keio University, 1997
Data Science, Machine Learning, Information Security, Signal Processing, Media
Transmission, Image/Video Coding, Channel Coding.
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Oda, Ichiro: Ph.D., Chiba University, 1990
Theoretical physics, elementary particle physics, especially, superstring theories,
quantum gravity and topological field theories.
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Senju, Tomonobu: Dr. Eng., Nagoya University, 1994
Power Electronics, Electronic Machine, Power System Engineering, Intelligent Control
Engineering, Renewable Energy Engineering, System Optimization.
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Wada, Tomohisa: Dr. Eng., Osaka University, 1994
Digital Communication System Design, VLSI System Design, Digital Design, HDLs,
Electronic Design Automation.
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Associate Professors:

Yanagisawa, Susumu: Dr. Eng., The University of Tokyo, 2004
Theoretical solid-state physics, Surface Science, Molecular Science.
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Neural Networks, Adaptive Signal Processing, Computer Vision, Data Mining Systems.
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