

OSAKA PREFECTURE UNIVERSITY
RESEARCH COLLECTION
2015~

Osaka Prefecture University
Research Organization for University-Community Collaborations
April 1st, 2015~

the Graduate School of Engineering

Department of Mechanical Engineering

Title	Name	Research Profiles
Professor	Tomohiro Ito	Seismic Design, Passive Vibration Reduction, Seismic Isolation, Seismic Buckling, Seismic Optimization, Diagnosis, Fluid-Structure Interaction, Application of Flow-induced Vibration
Professor	Masaaki Okubo	Environmental Protection Engineering, Plasma for Environmental Improvement, Energy Conversions with Low Environmental Load, Plasma Material Processing
Professor	Yoshihiro Ootao	Elasticity, Thermoelastic Analysis, Piezothermoelastic Analysis, Shape Design, Optimization
Professor	Hisao Kikuta	Measurement and Instrumentation Engineering, Optical Metrology, Optical Engineering, Nano-Fabrication Technology
Professor	Kazuhiko Suga	Heat Transfer Engineering, Turbulence Modeling, Energy Conversion Systems, Micro Scale Thermo-Fluid Systems
Professor	Nobuhiro Sugimura	Production Engineering, Manufacturing Systems, Machine Tools, Autonomous Distributed Systems, Intelligent Systems, Ergonomics in Manufacturing
Professor	Daisuke Segawa	Combustion, Combustion Diagnostics, Internal Combustion Engines, Space Environment Experiments
Professor	Hiroyuki Takahira	Fluid Mechanics, Cavitation, Bubble Dynamics, Gas-Liquid Two-Phase Flow, Micro-Nano Fluidics
Professor	Koji Mimura	Strength of Materials, Plasticity and its Applications, Experimental Mechanics, Impact Engineering, Solid Mechanics
Professor	Ryohei Yokoyama	Energy Systems Engineering, Optimization, Energy Management, Distributed Energy
Professor	Atsumasa Yoshida	Environmental Engineering, Environmental Heat Transfer, Thermophysical and Fluid Properties, Human Science, Urban Environmental System Urban Environmental System
Associate Professor	Masayuki Ishihara	Mathematical Analysis of Elasticity, Piezoelectric Smart Structures, Dynamical Non-Linear Deformation, Fracture Mechanics
Associate Professor	Koji Iwamura	Production Engineering, Manufacturing Systems, Autonomous Distributed Systems, Scheduling
Associate Professor	Tsutomu Umeda	Mechanics of Materials, Solid Mechanics, Impact Engineering, Dynamic Analysis of Structure, Damage Mechanics
Associate Professor	Masayuki Kaneda	Natural Convection, Computational Fluid Dynamics, Sessile Droplet, Magnetizing Convection, Magnetohydrodynamics
Associate Professor	Shinichi Kinoshita	Environmental Engineering, Numerical Analysis of Thermal and Fluid Dynamics, Thermal Environment of Urban Area, Drying, Radiative Heat Transfer
Associate Professor	Tomoyuki Kuroki	Environmental Protection Engineering, Application of Nonthermal Plasma Technology, Exhaust Gas Treatment, Waste Water Treatment
Associate Professor	Atsuhiko Shintani	Flow-Induced Vibration, Active Vibration Control, Human Engineering, Application of Vibration
Associate Professor	Yoshitaka Tanimizu	Production Engineering, Supply Chain, Dynamic Scheduling, Genetic Algorithm
Associate Professor	Hirokazu Fukuda	Coupled Oscillator System, Synchronization Control, Pattern Formation, Complex Network Control, Plant Factory
Associate Professor	Tetsuya Wakui	Energy Systems Engineering, Performance Monitoring, Dynamic Behavior Analysis, Optimization, Distributed Energy, Renewable Energy
Lecturer	Tomoaki Kobayashi	Systems and Control, Real-Time Control, Optimal Control, Control Theory and Applications, Mechatronics
Lecturer	Tomoya Nakajima	Fluid Engineering, Floating System, Wing-in-Ground Effect Vehicle, Wind Tunnel Test, Wind Turbine
Assistant Professor	Toshiyuki Ogasawara	Fluid Mechanics, Gas-Liquid Two-Phase Flow, Bubble Dynamics, Flow Measurement
Assistant Professor	Hidefumi Kataoka	Detonation, Combustion, Shock Wave, Internal Combustion Engines
Assistant Professor	Chihiro Nakagawa	Kinematics of Mechanical Systems, Mobile Vehicle System, Kinematics-related System
Assistant Professor	Akio Mizutani	Measurement Engineering, Applied Optics, Nanophotonic Devices
Assistant Professor	Ryusuke Yasuda	Environmental Engineering, Atmospheric Diffusion, Air Pollution Control, Local Climate
Assistant Professor	Tetsuya Yamada	Environmental Engineering, Environmental Fluid Mechanics, Thermophysical Properties
Assistant Professor	Isamu Riku	Continuum Mechanics, Computational Mechanics, Composite Materials

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Department of Aerospace Engineering

Title	Name	Research Profiles
Professor	Takakage Arai	Aerodynamics related to Space Plane, Injection, Mixing and Combustion in Supersonic Flow, Boundary Layer Transition, Turbulent Property Measurements in Supersonic Flow, Supersonic Unmanned Plane (SUP)
Professor	Takashi Shimomura	Aerospace Control Engineering, Dynamics / Kinematics / Guidance / Control of Aircraft / Spacecraft, Vibration Control of Flexible Space Structures, Numerical Optimization
Professor	Shigeru Sunada	Propulsion, Biofluidynamics, Unsteady Aerodynamics, Micro Aerial Vehicles
Professor	Masakatsu Chiba	Aerospace Structural Engineering, Dynamics for Thin-Walled Flexible Structures, Non-Linear System Dynamics
Professor	Takeshi Manabe	Space Environment Utilization, Satellite Communications, Radio Science, Millimeter-Wave Technologies
Associate Professor	Ryohei Ishida	Finite Element Analysis, Inverse Analysis, Inflatable Structure, Light-Weight Frame Structure
Associate Professor	Nozomu Kogiso	Systems Engineering, Reliability Engineering, Optimum Design, Space Structural Systems
Associate Professor	Shoji Sakaue	Aerodynamics, Laminar-Turbulent Transition, Turbulent Flow Control, Supersonic Mixing Enhancement,
Associate Professor	Masao Nakamura	Space Environment Technology, Space Plasma Simulation and Analysis, Space Weather
Associate Professor	Youichi Murakami	Physics of Fluids, Theory of Stability, Nonlinear Dynamics, Numerical Fluid Dynamics
Assistant Professor	Sayaka Kanata	System Control Engineering, System Identification, Numerical Optimization, Rovers for Small Planetary Bodies
Assistant Professor	Ken-ichi Kaneko	Jet Propulsion, Heat Transfer Device, Wind Turbine, Temperature Measurement
Assistant Professor	Yohsuke Nambu	Aerospace Structural Engineering, Vibration Control, Smart Structure
Assistant Professor	Toshihiko Hiejima	Compressible Fluid Dynamics, Computational Fluid Dynamics, Instability of Vortices, Chemical Reaction Flow, Development of Small Rockets

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Department of Marine System Engineering

Title	Name	Research Profiles
Professor	Koji Otsuka	Marine Resource Technology, Deep Ocean Water Utilization, Restoration Technology for Coastal Environment, Marine Biomass Utilization
Professor	Nobuhiro Baba	Marine Environments, Ocean Fluid Dynamics, Marine Ecosystems, Ocean Circulation
Professor	Toichi Fukasawa	Fluid-Structure Interaction Analysis, Ship Structure Design/Ship Structural Analysis, FBG (Fiber Bragg Gratings) Pressure Sensor
Professor	Tetsuo Yamazaki	Assessment of Deep Sea Environment, Economic Assessment of Deep Sea Resource Development, Planning of Marine Resource Development
Associate Professor	Rei Arai	Marine Environmental Measurement, Marine Acoustic Engineering, Marine Optics, Instrumentation Engineering
Associate Professor	Masakazu Arima	Marine System Planning, Human Factors, Underwater Robotics
Associate Professor	Toru Katayama	Nonlinear Motions of Floating Structures, Seakeeping & Safety of High Speed Crafts, Instabilities of Planing Crafts, Ship Stability in Wave, Tank Test
Associate Professor	Masakazu Shibahara	Welding Mechanics, Thermal-Elastic-Plastic FEM, Measurement using Image Processing, Structural Strength of Ships and Offshore Structures, Structural Analysis for Ultra-Scale Problems
Associate Professor	Takashi Tsubogo	Wave Resistance, Offshore Structure, Hydroelasticity, Very Large Floating Structures
Associate Professor	Naoki Nakatani	Marine Environmental Monitoring, Ocean Environmental Measurement, Marine Ecosystem Engineering, Ecosystem Modeling
Associate Professor	Yasunori Nihei	Hydrodynamic Force acting on Offshore Structures, Vortex Induced Vibration, Design and Development of Sailboats
Assistant Professor	Hisanori Iwai	Studies on functionalities of humic substances, Speciation and bioavailability of dissolving Fe, Recovery of seaweed-bed, Analytical Chemistry
Assistant Professor	Kana Kuroda	Material Cycle Between Land and Ocean, Evaluation of Marine System Sustainability, Marine Biomass Utilization
Assistant Professor	Tsutomu Momoki	Computational Fluid Dynamics, Hydroelasticity, Hydrodynamics of a Floating Body, Safety and Seakeeping of Ships
Assistant Professor	Tomoki Yamada	Coastal Marine Environmental Monitoring, Remote-Sensing, Measurement of Ocean Physics

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Department of Mathematical Sciences

Title	Name	Research Profiles
Professor	Toshiaki Iwazumi	X-Ray Spectroscopy, Photo-Induced Phase Transition
Professor	Takayuki Uozumi	Theoretical Solid State Physics, Theoretical Study of Optical Processes of Matter
Professor	Yoshitsugu Kabeya	Mathematical Modeling
Professor	Shinji Kuriki	Design of Experiments
Professor	Hiroaki Daido	Nonlinear Dynamics, Statistical Mechanics and Dynamics of Coupled Oscillators, Chaos
Professor	Minoru Tabata	Mathematical Simulation
Professor	Takehiko Horita	Nonlinear Dynamics, Chaos, Basin Structure, Stochastic Resonance
Professor	Hideaki Matsunaga	Discrete Dynamical System
Associate Professor	Masaru Kato	Theory of Condensed Matter, Superconductivity and Strongly Correlated Electron Systems
Associate Professor	Tatsuki Kawakami	Partial Differential Equations, Financial Engineering
Associate Professor	Manabu Shiroasaki	Value Distribution Theory, Complex Analysis
Associate Professor	Yukihiro Taguchi	Experimental Study of Bulk and Surface of Solids by Electron Spectroscopies
Associate Professor	Masashi Hyodo	High-Dimensional Data Analysis, Mathematical Statistics, Theory of Sampling Distribution, Machine Learning
Associate Professor	Tsuyoshi Mizuguchi	Nonlinear Physics, Pattern Formation, Collective Phenomena of Dynamical Elements
Associate Professor	Kojiro Mimura	Photoemission and Inverse-Photoemission Spectroscopies, Strongly-Correlated Electron System, Semiconductor, Thermoelectric Material
Associate Professor	Naoto Yamaoka	Ordinary Differential Equations, Numerical Analysis
Lecturer	Kenichi Noba	Quantum Dynamics, Mesoscopic Physics
Assistant Professor	Hiroaki Anzai	Strongly Correlated Electron Systems, Electronic States, Synchrotron Radiation

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Department of Physics and Electronics

Title	Name	Research Profiles
Professor	Seiji Akita	Nanoscale Solid State Physics, Nano-Material, Nano-Electronics
Professor	Atsushi Ashida	Crystal Growth, Compound Semiconductors, Oxide Semiconductors, Thin Film Engineering, Electrical Transport Properties, Electro-Optical Properties, Diluted Magnetic Semiconductors
Professor	Takekazu Ishida	Quantum Solid State Physics, Superconductivity, Nanostructured Superconductors, Magnetism, Vortex Physics, Superconducting Detector
Professor	Hajime Ishihara	Nanostructure Photophysics, Theory of Nonlinear Optics, Theory of Quantum Optics, Photo-Function Design via Nanostructures, Optical Manipulation
Professor	Hiroaki Kawata	Fabrication Technology of Semiconductor Devices, Micro and Nano Fabrication, Processing Plasma
Professor	Hiroyoshi Naito	Organic Semiconductors, Opto-electronic and Semiconducting Properties of Soft Materials (Liquid Crystals, Polymers)
Professor	Satoru Noguchi	Quantum Properties, Magnetism and Superconductivity, Strongly Correlated Electron Systems, Condensed Matter Physics under Strong Magnetic Fields
Professor	Yoshihiko Hirai	Micro and Nano Fabrication, Nanoimprint, Micro-Nano Machine, Lithography
Professor	Norifumi Fujimura	Physics of Intelligent Devices, Ferroelectrics, Magnetic Semiconductors, Multiferroics, Spintronics Devices, Multifunctional-Semiconductor Devices
Professor	Hirofumi Horinaka	Quantum and Optical Device Engineering, Optical Properties of Semiconductors, Biomedical Optics, Laser Application
Associate Professor	Takayuki Arie	Nano inspection, Nano material, Nano particle operation, Nano manipulation
Associate Professor	Takashi Kobayashi	Optical Properties of Semiconducting Polymers, Organic Solid State Physics, Nonlinear Spectroscopy
Associate Professor	Yong-Gu Shim	Optical Properties of Nano Materials and Bulk Crystals, Crystal Growth, Multinary Compound Semiconductors
Associate Professor	Yasushi Takahashi	Developing Silicon Laser, Photonic Crystal, Silicon Photonics, Nanofabrication, Micro-spectroscopy
Associate Professor	Yoshihiko Togawa	Spin Electronics, Magnetism, Superconductivity, Electron Microscopy, Electron Physics, Manipulation and Control of Electromagnetic Response
Associate Professor	Takashi Nagase	Organic Semiconductors, Molecular Electronics, Nanoelectronics, Semiconductor Physics, Nanofabrication
Associate Professor	Masaaki Yasuda	Micro and Nano Fabrication, Electron Beam Technology
Associate Professor	Takeshi Yoshimura	Oxide Electronics, Functional Semiconductor Devices, Ferroelectrics
Associate Professor	Kenji Wada	Quantum and Optical Device Engineering, Laser Application, Optical Metrology
Assistant Professor	Hiroaki Shishido	Superconductivity, Nanostructured Superconductors, Crystal Growth, Strongly Correlated Electron Systems
Assistant Professor	Kuniharu Takei	Nano material, Nano electronics, Flexible electronics, Interactive surfaces
Assistant Professor	Tetsuya Matsuyama	Quantum and Optical Device Engineering, Optical Properties of Semiconductors, Laser Application
Assistant Professor	Nobuhiko Yokoshi	Nanostructure Photophysics, Nanostructured Semiconductors, Theory of Quantum Information

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Department of Electrical and Information Systems

Title	Name	Research Profiles
Professor	Atsushi Ishigame	Power System Analysis and Control, Optimization Technique, Intelligent Control
Professor	Masaharu Ohashi	Optoelectronics, Optical Fiber Communication, Lightwave and Microwave Systems
Professor	Keiji Konishi	Control Systems, Complex (Chaotic) Systems, System Dynamics
Professor	Kazuko Morizawa	Production Management Systems, Multiobjective Production Planning and Scheduling, Staff Scheduling, Decision Support System under Uncertainty
Professor	Shigeo Morimoto	Motor Drives, Electromagnetic Energy Conversion, Power Electronics
Professor	Katsumi Yamashita	OFDM Communication, Wireless Communication, Signal Processing
Professor	Makoto Yamada	Information & Communication Engineering, Optical Amplifiers and Next Generation Networks, Optical Sensing System
Associate Professor	Masaya Ohta	OFDM Communication, Augmented Reality, Mobile Computing
Associate Professor	Hirokazu Kubota	Optical Fiber Communication Systems, Nonlinear Optics, Space Division Multiplexing Optical Communications
Associate Professor	Osanori Koyama	Optical Fiber Sensor, Optical IP Network, Web-based Data Processing System
Associate Professor	Masayuki Sanada	Motor Drive, Motor Design, Electro-Magnetic Field Analysis
Associate Professor	Naoyuki Hara	Control Systems, Model Predictive Control, Control Applications
Associate Professor	Naoki Hirabayashi	Real-Time Scheduling, Facility Layout, Flexible Manufacturing Systems
Associate Professor	Hai Lin	OFDM Communication, Wireless Communication, Signal Processing
Lecturer	Etsuko Kusakawa	Supply Chain Management, Operations Research, Quality Management
Assistant Professor	Yukinori Inoue	Motor Drives, Power Electronics, Energy Conversion
Assistant Professor	Satoshi Takayama	Power System Operation and Control, Renewable Energy System Operation and Control
Assistant Professor	Yuji Miyoshi	Optical Fiber Communication, Optical Signal Processing, Optical A/D Conversion

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Department of Computer Science and Intelligent Systems

Title	Name	Research Profiles
Professor	Hisao Ishibuchi	Evolutionary Computation, Fuzzy Systems, Knowledge Extraction, Multiobjective Optimization
Professor	Koichi Kise	Intelligent Media Processing, Document Information Processing, Document Image Analysis, Object Recognition, Information Retrieval
Professor	Hideki Tode	Intelligent Networking, Network Quality Control, Content Distribution Control, Broadband Network
Professor	Tomoharu Nakashima	Artificial Intelligence Agents, RoboCup, Data Mining, Computational Intelligence
Professor	Katsuhiko Honda	Data Analysis, Cluster Analysis, Knowledge Discovery
Professor	Yukie Majima	Nursing Informatics, Medical and Health Informatics, Educational Technology, E-learning, Ergonomics in Nursing
Professor	Keinosuke Matsumoto	Software Engineering, Intelligent Systems, Intelligent Information Processing
Professor	Takao Miyamoto	Information Systems Engineering, Autonomous Distributed Systems, Information Network, Information Security
Professor	Michifumi Yoshioka	Intelligent Signal Processing, Image Processing, Pattern Detection
Associate Professor	Masao Izumi	Image Analysis and Scene Understanding, Image Processing
Associate Professor	Masakazu Iwamura	Intelligent Media Processing, Pattern Recognition Theory, Character Recognition, Document Image Retrieval, Object Recognition
Associate Professor	Ryosuke Saga	Knowledge management, Management Information Systems, Data mining, Service Science, Trend Visualization
Associate Professor	Yusuke Nojima	Evolutionary Computation, Knowledge Extraction, Multiobjective Optimization, Genetic Fuzzy System
Associate Professor	Akira Notsu	Data Analysis, Agent Simulation, Human Interface, Cognitive Model
Associate Professor	Naoki Mori	Software Engineering, Evolutionary Computation, Multi-Agent System
Associate Professor	Hidekazu Yanagimoto	Intelligent Signal Processing, Information Retrieval, Machine Learning, Natural Language Processing, Social Media
Associate Professor	Katsufumi Inoue	Image Sensing, Pattern Recognition, Machine Learning
Assistant Professor	Motoi Iwata	Intelligent Media Processing, Information Security, Digital Watermark, Steganography
Assistant Professor	Yuzuko Utsumi	Intelligent Media Processing, Pattern Recognition, Face Recognition, Video Event Detection
Assistant Professor	Seiki Ubukata	Data Analysis, Rough Set Theory, Agent Simulation, Knowledge Discovery
Assistant Professor	Yosuke Tanigawa	Intelligent Networking, Wireless Network Quality Control, Wireless Media Access Control

the Graduate School of Engineering

Department of Applied Chemistry

Title	Name	Research Profiles
Professor	Hiroshi Ikeda	Organic Photochemistry, Organic Electron-Transfer Chemistry, Main Group Element Chemistry, Luminescence Chemistry, Organic Light-emitting Diodes, Crystal Chemistry, Calculation Chemistry
Professor	Hiroshi Inoue	Electrochemical Energy Conversion, Rechargeable Devices, Electrocatalysts for Fuel Cells, Hydrogen Storage
Professor	Akiya Ogawa	Organic Synthesis, Heteroatom Chemistry, Rare Earth Chemistry, Catalytic Reactions
Professor	Kenji Kono	Bio-Related Polymer Chemistry, Functional Polymer Chemistry, Drug Delivery Systems, Biomaterials
Professor	Norimichi Takenaka	Environmental Chemistry, Multi-Phase Chemistry, Environmental Analytical Chemistry
Professor	Masahiro Tatsumisago	Solid State Ionics, Glass Science, All-Solid-State Battery, Mechanochemistry
Professor	Tsutomu Nagaoka	Molecular Recognition, Biosensors, Nanoparticle-Based Sensors, Molecular Imprinting
Professor	Hiroyuki Nakazumi	Organic Functional Chemistry, Functional Dye Chemistry, Organic Functional Thin Films
Professor	Hideaki Hisamoto	Micro Total Analysis Systems, Chemical Sensing, Optical Sensing, Molecular Recognition, Capillary Electrophoresis
Professor	Masaya Matsuoka	Environmentally-Harmonious Photocatalysis, Solar Energy Conversion, Catalysis, Inorganic-Organic Hybrid Materials
Professor	Akikazu Matsumoto	Polymer Synthesis, Controlled Radical Polymerization, Solid-State Organic Chemistry, High-Performance Polymer Materials
Associate Professor	Tatsuro Endo	Biosensors, Nano-photonics, Micro Total Analysis Systems (μ TAS), Microfluidic device
Associate Professor	Haruyuki Okamura	Polymer Synthesis, Photoreactive Polymer, Photoacid Generator, Crosslinking and Degradation of Polymers
Associate Professor	Chie Kojima	Polymer Materials, Photo-sensitive Materials, Biomaterials, Imaging and Drug Delivery System
Associate Professor	Yasuhiro Sadanaga	Atmospheric Chemistry, Long-Range Transport of Atmospheric Pollutants, Photochemical Oxidant and its Precursor
Associate Professor	Hiroshi Shiigi	Highly-ordered Nanoarchitecture, Nanobioelectronics, Molecular Recognition, Chemical Sensor, Biosensor
Associate Professor	Masato Takeuchi	Visible Light-Responsive Photocatalysts, Environmental Purification, Ion Engineering, Molecular Spectroscopy, St
Associate Professor	Shiho Tokonami	Biosensor, Micro- and Nano- Architectures, Optical Analysis, Metal Nanoparticle
Associate Professor	Tomoaki Nishino	Scanning Probe Microscopy, Single-Molecule Chemistry, Molecular Electronics, Bioanalysis, Functional Organic T
Associate Professor	Akitoshi Hayashi	Glassy Materials, Solid Electrolyte, All-Solid-State Battery
Associate Professor	Atsushi Harada	Polymer Biomaterials, Self-assembled Polymers, Nanomedicine, Drug Delivery System
Associate Professor	Eiji Higuchi	Electrocatalysts for Fuel Cells, Nickel-Metalhydride Battery, Hydrogen Storage Materials
Associate Professor	Shigeyuki Yagi	Organic Electronics, Organic Light-emitting Diodes, Phosphorescent Materials, Organic Solar Cells, Organic Semiconductors
Lecturer	Akihiro Nomoto	Synthetic Organic Chemistry, Medical Coordination Complex, Organic Electrochemistry, Heteroatom Chemistry, π -Conjugated Systems, Nanomaterial Science
Assistant Professor	Eisuke Ohta	Physical Organic Chemistry, Organic Photochemistry, Organic Electron-Transfer Chemistry, Synthetic Organic Chemistry, Functional p-Conjugated Systems
Assistant Professor	Kenji Sueyoshi	Analytical Chemistry, Separation Science, Microscale Electrophoresis
Assistant Professor	Masanobu Chiku	Electrochemical Energy Conversion, Rechargeable Devices
Assistant Professor	Yu Horiuchi	Solar Energy Conversion, Photocatalytic Hydrogen Production, Visible Light-Responsive Photocatalysts, Metal-Organic Framework
Assistant Professor	Takeshi Maeda	Organic Functional Chemistry, Organic Functional Materials
Assistant Professor	Yasunori Matsui	Organic Photochemistry, Organic Electron-Transfer Chemistry, Laser Chemistry, Luminescence Chemistry, Chemical Kinetics
Assistant Professor	Eiji Yuba	Nano medicine, Drug Delivery, Functional Polymer Chemistry, Biomaterials

the Graduate School of Engineering

Department of Chemical Engineering

Title	Name	Research Profiles
Professor	Motoaki Adachi	Fluid Dynamics for Chemical Engineering, Aerosol Engineering, CVD Engineering, Nanomaterials
Professor	Masashi Iwata	Resource Engineering, Environmental Engineering, Solid-Liquid Separation, Flocculation, Sedimentation, Filtration, Expression
Professor	Hiroyasu Ogino	Chemical Reaction Engineering, Biochemical Engineering, Microbial Engineering, Protein Engineering, Enzyme Engineering
Professor	Yasuhiro Konishi	Particle Science and Technology, Nano/Meso Materials, Biocolloids, Environmental Biotechnology
Professor	Kazuo Kondo	Electronics Packaging Materials, Electrochemical Engineering, Electrodeposition (Damascene Plating, Through Mask Plating), Electronics Packaging Processes, Electronics Device
Professor	Akinori Muto	Separation Process Engineering, Functional Carbon, Microreactor, Adsorption, Ion Exchange, Extraction, Photocatalyst
Professor	Satoru Watano	Process Systems Engineering, Powder Technology, Fluidized Bed, Nano-Processing, Measurement and Control, Pharmaceutical Engineering
Associate Professor	Tomohiro Iwasaki	Chemical Equipment Engineering, Process Systems Engineering, Powder Technology, Particle Design, Mechanoch
Associate Professor	Takeyasu Saito	Materials Process Engineering, Electrodeposition, Kinetics and Engineering of Chemical Vapor Deposition, Ferroelectric Materials, Wide Band Gap Materials, Metallization Processing for Semiconductor Devices
Associate Professor	Shigeki Tsukui	Quantum Chemical Engineering, Thin Film Deposition Process, Energy Conversion Materials
Associate Professor	Hideya Nakamura	Process Systems Engineering, Powder Technology, Computational Particle Engineering, Molecular Simulation, Fluidization Engineering
Associate Professor	Toshiyuki Nomura	Particle Science and Technology, Nano/Meso Materials, Biocolloids, Environmental Bioengineering
Associate Professor	Masahiro Yasuda	Chemical Reaction Engineering, Biological Chemical Engineering, Flue-Gas Treatment, Enzyme Engineering, Polymerization Engineering, Tissue Engineering
Lecturer	Naoki Okamoto	Materials Process Engineering, Electrochemical Engineering, Micro Plating, Plating Process (Electrodeposition, Electroless Deposition), Materials Science and Engineering
Lecturer	Hayato Tokumoto	Biochemical Engineering, Applied Microbiology, Bio-Conversion
Assistant Professor	Takanori Tanaka	Resource Engineering, Environmental Engineering, Materials for Environmental Protection, Synthesis of Functionalized Materials, Solid-Liquid Separation
Assistant Professor	Ryosuke Yamada	Chemical Reaction Engineering, Biochemical Engineering, Microbial Engineering, Protein Engineering, Enzyme Engineering

the Graduate School of Engineering

Department of Materials Science

Title	Name	Research Profiles
Professor	Hirofumi Inoue	Texture Control, Plastic Anisotropy, Orientation Distribution Analysis, Light Materials, Laminated Metals
Professor	Akihiro Iwase	Lattice Defects, Irradiation Effects, Beam Processing, X-Ray Absorption Spectroscopy
Professor	Yasuyuki Kaneno	Intermetallic Compounds, Plastic Working, Microstructural Control
Professor	Masahide Takahashi	Organic-Inorganic Hybrid, Self Organization, Smart Materials, Sol-Gel Chemistry, Lithography, Ceramics, Photonic Crystals, Optical Materials
Professor	Atsushi Nakahira	Biomaterials, Apatite, Intercalation, Catalysts, Nanoceramics
Professor	Hiroshi Numakura	Equilibrium and Nonequilibrium Thermodynamics of Materials, Crystal Defects, Diffusion in Solids, Mechanical Properties of Materials, Mechanical Spectroscopy
Professor	Kenji Higashi	Materials Design, Materials Processing, First-Principles Calculation, Nano-Superplasticity
Professor	Shigeo Mori	Correlated Electron Materials, Dielectric Materials, Magnetic Materials, Ionic conductors, Electron Microscopy, Lorentz Electron Microscopy
Associate Professor	Hiroyuki Inoue	Corrosion Monitoring, Geological Disposal, Residual Life Prediction, Supercritical Water Oxidation
Associate Professor	Kenji Okitsu	Metal Nanoparticles, Sonochemistry, Nanomaterials
Associate Professor	Yorinobu Takigawa	Nanocrystalline and Amorphous Materials Processing, Grain Boundary Plasticity, High-temperature Deformation
Associate Professor	Yasuaki Tokudome	Porous Material, Organic Electric Device, Catalysis, Sol-Gel Chemistry
Associate Professor	Masaki Narisawa	High Temperature Materials, Ceramics, Carbides, Nitrides, Silicides, Inorganic Polymers, Precursor Method, Thermal Decomposition Process, Composites
Associate Professor	Fuminobu Hori	Positron Annihilation, Lattice Defects, Radiation Damage, Semiconductors, Nano Structures, Intermetallic Compounds
Associate Professor	Rie Makiura	Nanomaterials, Organic-Inorganic Hybrid Materials, Energy Materials, Thin Films, Coordination Chemistry, Electronic Devices, Porous Materials
Lecturer	Tokuteru Uesugi	Atomic and Electronic Theory of Strength and Fracture of Materials, First-Principles Calculation, Materials Design, Computational Material Science
Assistant Professor	Yui Ishii	Strongly Correlated Electron Materials, New Materials, Ionic Conductors, Electron Microscopy
Assistant Professor	Ryusuke Nakamura	Nanostructural Control, Diffusion and Lattice Defects in Solids, Nanoporous Materials, Oxide Materials

the Graduate School of Engineering

Department of Quantum and Radiation Engineering

Title	Name	Research Profiles
Professor	Shuichi Okuda	Quantum Beam Materials Science, Radiation-Induced Reaction, Accelerator Science, Quantum Beam Engineering
Professor	Yuichi Kawamura	Compound Semiconductors, Nanostructure Semiconductors, Semiconductor photonic devices, Epitaxial Crystal Growth
Professor	Ryoichi Taniguchi	Space Radiation, Non-destructive Testing, Accelerator Beam Technology, Radiation Imaging, Radiation Damage
Professor	Masakazu Furuta	Quantum Radiation Sterilization Technology, Microbial Control, Food Hygiene, Quantum Radiation Applied Biology, Radiation Biology
Associate Professor	Shuichi Kawamata	Superconductors, Magnetic Materials, Compound Semiconductors, Magnetic Measurements, Electric Transport Measurements, Nano-Fabrication
Associate Professor	Yoshiharu Tanaka	Radiation Exposure-Effect , Radiation Protection, Molecular Genetics
Associate Professor	Hiroto Matsuura	Plasma Science and Engineering, Nuclear Fusion, Nuclear Engineering
Associate Professor	Hiroyuki Miyamaru	Radiation Measurement, Radiation Engineering, Radiation Physics, Neutronics
Assistant Professor	Norio Ito	Radiation Measurement, Environmental Radiation Science
Assistant Professor	Shunji Kiyoda	Syntheses of poly nuclear complexes
Assistant Professor	Takao Kojima	Nuclear Power Plant Technology, Radiation Processing

the Graduate School of Life and Environmental Sciences

Division of Applied Life Sciences

Title	Name	Research Profiles
Professor	AKIYAMA Kohki	Chemical identification and functional analysis of signalling molecules involved in the development of mycorrhizal symbiosis
Professor	AOKI Koh	Functional genomics of vegetable crops and parasites, development of new plant functions
Professor	INUI Takashi	Drug delivery system by transporter protein, Enzymes for the biosynthesis of nucleic acids in parasite, Identification of allergen proteins
Professor	IMAHORI Yoshihiro	Metabolic regulation on fruit and vegetables, Hypoxic stress, Cold stress, Ascorbate metabolism
Professor	OHKI Satoshi	Pathogenicity and mechanism for disease development of plant viruses
Professor	OHTA Daisaku	Cytochromes P450, Metabolomics Molecular Biology, Molecular Genetics, Biochemistry
Professor	KASAI Naoya	Food material chemistry, Enzymatic processing for food material and the application
Professor	KATAOKA Michihiko	Screening and application of microbial enzymes to the production of useful compounds
Professor	KAWAGUCHI Takashi	Screening and utilization of microbial functions, Molecular genetics of microorganisms
Professor	KITAMURA Shinichi	Bionanotechnology, Biophysical Chemistry, Bioinformatics, and Polysaccharide Engineering
Professor	KOIZUMI Nozomu	Plant molecular breeding, Metabolic engineering, Regulation of gene expression in plants, Risk communication of GMO
Professor	SAKAMOTO Tatsuji	Functional analysis of microbial polysaccharidases, Biotechnological utilization of plant biomass
Professor	SUGIMOTO Kenji	Multicolor live cell imaging of mitotic cell division of mammalian cell-line; Molecular and Cellular Biology
Professor	YAMAJI Ryoichi	Steroid hormone receptor signaling, Gender-specific differences in molecular nutrition, Functional foods and skeletal muscle
Professor	TANIMORI Shinji	Organic and Bioorganic Chemistry, Chemical Biology, Organometallic Chemistry, Heterocyclic Chemistry
Associate Professor	ISHIBASHI Osamu	Non-coding (nc) RNAs and ncRNA-associated proteins, Bone metabolism, Reproductive endocrinology
Associate Professor	UEDA Mitsuhiro	Biomass, Biological waste treatment, Bioenergy, Biotransformation, Bioremediation
Associate Professor	OHE Masamichi	Stable, high yielding and safe cultivation methods of paddy rice, Food crop science, crop physiology and crop ecology
Associate Professor	OKAZAWA Atsushi	Chemical biology and analytical chemistry toward development of novel biocontrol practices
Associate Professor	OGATA Yoshiyuki	Bioinformatics and its application to plant genomics and metabolomics
Associate Professor	KISHIDA Masao	Analysis of available yeast strains which bred by gene-activation mutagenesis and cell fusion
Associate Professor	SHIOZAKI Shuji	Pomology, Chemical regulation of fruits development and quality, Development of bioactive compounds in fruits, Propagation of wild Grapes
Associate Professor	SUMITANI Jun-ichi	Functional improvements of carbohydrate hydrolases and diagnostic Enzymes from microorganisms, Regulatory mechanisms of their genes
Associate Professor	SONODA Motohiro	Designing of Bioactive Compounds, Synthetic Bioorganic Chemistry, Chemical Structure-activity Relationship
Associate Professor	TOJO Motoaki	Plant pathology, Crop protection, Taxonomy and epidemiology of oomycetes plant pathogens
Associate Professor	NAKAYAMA Yuichiro	Weed Biology, Conservation ecology, Ecological genetics, Ecological risk assessment of Living Modified Organism
Associate Professor	NISHIURA Yoshifumi	Systematization and robotization for environment-conscious bioproduction, Bioinstrumentation and control engineering, Phytotechnology
Associate Professor	HIRAI Hiroaki	Development of plant production and management technique
Associate Professor	MISHIBA Kei-ichiro	Genetic engineering of ornamental plants, Mechanisms of transgene silencing in higher plants
Associate Professor	MORIKAWA Toshinobu	Genetics and Plant Breeding, Mapping molecular markers and useful genes and Gene transferring to cultivated plants in cereal crops
Associate Professor	YAMAGUCHI Yube	Defense response against biotic and abiotic stress in crops, and its impact on food production
Lecturer	AKAGAWA Mitsugu	Food biochemistry, Oxidative modification of biomolecules, Regulation of oxidative stress by functional foods
Lecturer	KAI Kenji	Bioactive natural products chemistry, Chemical communication among microbes
Lecturer	TANI Shuji	Fungal genetics, Gene regulation, Polysaccharide-degrading enzymes
Lecturer	HARADA Naoki	Biochemistry of androgen action, Molecular nutrition, prostate
Lecturer	FURUKAWA Hajime	Studies on plant physiology using gene expression analysis
Lecturer	WADA Teruo	Vegetable crop sciences, Hydroponics, Soilless culture, Plant factory

the Graduate School of Life and Environmental Sciences

Division of Applied Life Sciences

Title	Name	Research Profiles
Assistant Professor	IWATA Yuji	RNA-mediated regulation of gene expression and its application in plants
Assistant Professor	OGAWA Takumi	Molecular plant-microbe interactions, Metabolomics
Assistant Professor	TEZUKA Takahiro	Plant breeding, Analysis of reproductive isolation (especially hybrid lethality) observed in wide hybridization, Development of DNA markers
Assistant Professor	NAKAZAWA Masami	Biochemistry and gene manipulation of <i>Euglena gracilis</i>
Assistant Professor	NISHIMURA Shigenori	Kinetic study and structure biology of amylase and related enzymes
Assistant Professor	HIBINO Takeshi	Kinetics & Protein Engineering (especially of Adenylate kinase), Enzyme Chemistry, Biophysics
Assistant Professor	FUKADA Takashi	Molecular cell biology of mammalian cells, mainly on regulation and function of cytoskeletal structures.
Assistant Professor	MATSUMURA Atsushi	The role of soil microbial nutrient cycle in crop production
Assistant Professor	MOCHIZUKI Tomofumi	Histochemical study of plant viral pathogenesis
Assistant Professor	YANASE Masanori	Plant breeding and propagation

the Graduate School of Life and Environmental Sciences

Division of Environmental Sciences and Technology

Title	Name	Research Profiles
Professor	ISHII Minoru	Conservation ecology, Satoyama, Endangered insects, Alien insects, Climatic warming
Professor	KAMIHOGI Akiharu	Landscape management, Ecological planning, Natural environmental education
Professor	KITAYA Yoshiaki	Conservation of natural ecosystems, Bio-regenerative life support systems, Sustainable agriculture systems
Professor	SHIMOMURA Yasuhiko	Landscape planning and design, Planting design, Citizens' participation
Professor	FUJIWARA Nobuo	Revegetation technology, Mitigation, Waterfront restoration, Cultural landscape, Global warming
Professor	HORINO Haruhiko	Hydrological cycle, Multi-functional roles of agricultural production system, Sustainable management of water environment
Professor	MASUDA Noboru	Landscape planning and design, Environmental Planning, Landscape management by citizen
Professor	YAMADA Hiroyuki	Urban climate, Micrometeorology, Thermal environment, Urban greenery
Associate Professor	AONO Yasuyuki	Urban climatology, Heat budget analysis, Satellite remote sensing, Climatic analysis of plant phenology
Assistant Professor	UEYAMA Masahito	Meteorological observation, Remote sensing, Micro meteorology, CO2 gas exchange
Associate Professor	KAGA Hiroyuki	Landscape planning, and design, Urban Park planning, Landscape management
Associate Professor	SHIBUYA Toshio	Environmental control in biology, Monitoring and control of plant responses, Plant production with advanced technologies
Associate Professor	TANIGAWA Torahiko	Conservation of global water resource and the environment, Subsurface irrigation, Soil
Associate Professor	NAKAGIRI Takao	Conservation of water resources and the environment, Hydrological cycle, Hydrology, Basin water management
Associate Professor	NAKAMURA Akihiro	Revegetation, Biodiversity, Environmental effects, Forest management
Associate Professor	HIRAI Norio	Animal ecology, Biological interaction, Biodiversity, Life history of insects
Lecturer	KIMATA Takashi	Environmental geotechnology, Material science and engineering, Soil mechanical testing, Numerical analysis
Assistant Professor	URADE Toshikazu	Economic evaluation of environmental resources, Rural resources management, Multifunctionality, Green-tourizm
Assistant Professor	ENDO Ryosuke	Biomass utilization in plant production for sustainable agriculture, non-destructive imaging analysis for plant response investigation
Assistant Professor	KUDO Yosuke	Landscape of structures, Multifunctionality, Performance-based design, Maintenance for infrastructures
Assistant Professor	SAKURAI Shinji	Substance behavior in the water-soil-plant systems, Hydrological cycle, Management of water quality, Environmental conservation in basin water
Assistant Professor	TAKEDA Shigeaki	Landscape planning and design, Residential environmental planning, New town revitalization

the Graduate School of Life and Environmental Sciences

Division of Veterinary Science

Title	Name	Research Profiles
Professor	INABA Toshio	Embryonic stem cell, Dog, Transplantation, Endocrine disease
Professor	OKADA Toshiya	Development of the kidney, Behavioral analysis of Mongolian gerbil
Professor	OGAWA Kazushige	Cytoarchitecture and organization in various tissues and organs: especially on the roles of Eph receptor tyrosine kinases and ephrin ligands
Professor	OHASHI Fumihito	Renal failure, Neoplasm, Brain and spinal diseases, Abdominal surgery, Veterinary surgery, Veterinary clinical medicine
Professor	KUBO Kihei	DNA damages and the genetic consequences, Base excision repair systems in mammalian cells, Molecular diagnosis of animal tumor-related genes
Professor	KOMORI Masayuki	Molecular cell biology and biochemistry, Molecular mechanism on peroxisome homeostasis in eukaryotic cells
Professor	SASAI Kazumi	Dermatology, Zoonosis (Cryptosporidium, Giardia), Veterinary parasitology (Eimeria, Isospora), Monoclonal antibody establishment, Diagnosis of pathogenic bacteria (Salmonella, E. coli)
Professor	SHIMADA Terumasa	Immunological diagnosis and therapy in cancer animals
Professor	TAKEUCHI Tadayoshi	Physiology and pathophysiology of gastrointestinal motility and various smooth muscle function, Veterinary pharmacology
Professor	TAMADA Hiromichi	Theriogenology, Regulatory mechanism controlling animal reproduction, Artificial control of animal reproduction
Professor	NAKAMURA Yoichi	Function of glial cells and their regulatory mechanism in central nervous system
Professor	HASEGAWA Takashi	Veterinary ophthalmology, Veterinary otology, Veterinary neurosurgery, Veterinary orthopedics, Veterinary surgery
Professor	MIYAKE Masami	Veterinary public health, Molecular bacteriology, Bacterial pathogenesis, Host responses to bacterial pathogens
Professor	MUKAMOTO Masafumi	Veterinary epidemiology, Veterinary hygiene, Molecular mechanisms on the infection of microorganisms, Functional mechanisms of pathogenic factors
Professor	YAMASAKI Shinji	Food microbiology, Molecular epidemiology, Antimicrobial resistance, Molecular pathogenesis, Molecular diagnosis
Professor	YAMATE Jyoji	Pathogenesis of wound, hepatic and renal fibrosis, Functions of macrophages and myofibroblasts, Establishment of rat tumor models in vivo and in vitro
AssociateProfessor	WATARAI Shinobu	Veterinary immunology, Animal infectious diseases
AssociateProfessor	AKIYOSHI Hideo	Neoplasm, Brain and spinal diseases, Veterinary surgery, Veterinary clinical medicine, Stress response
AssociateProfessor	AZUMA Yasu-Taka	Inflammatory bowel disease and gut immunology, Pharmacology
AssociateProfessor	IZAWA Takeshi	Analysis of expression profiles of cytokines and humoral factors and pathogenesis in intractable diseases
AssociateProfessor	KAWATE Noritoshi	Theriogenology, Reproductive endocrinology in domestic animals and its clinical application
AssociateProfessor	KUWAMURA Mitsuru	Pathological studies on spontaneous animal diseases and animal models for neurological disorders
AssociateProfessor	SIMAMURA Shunsuke	The diagnosis and treatment of cardiovascular diseases
AssociateProfessor	SUGIURA Kikuya	Dog, Hematopoiesis, Hematopoietic stem cell, Hematologic disease, Dendritic cell, Cancer immunotherapy
AssociateProfessor	SETO Yoshiyuki	Veterinary microbiology, Molecular epidemiological analysis for microbial infections
AssociateProfessor	TAKANO Katsura	Regulation mechanism of glial function, Microglia and astrocytes, Neurodegenerative disorders
AssociateProfessor	TAKENAKA Shigeo	Investigations of molecular aspects of cell function and nutrition through 'omics' approach, Development of functional food product
AssociateProfessor	TAJIMA Tomoko	Veterinary microbiology, Viral infection
AssociateProfessor	TANI Hiroyuki	Dermatology, Endocrinology, Blood-borne parasites infection, Zoonosis
AssociateProfessor	NAKAJIMA Takayuki	Brain ischemia, Ischemic tolerance, Neuronal cell death
AssociateProfessor	NAKAJIMA Hidemitsu	Molecular mechanisms underlying neuronal cell death and drug discovery, Neuropharmacology
AssociateProfessor	NISHIMURA Kazuhiko	Toxicology, Risk evaluation to health using fecal contents, Interaction between African trypanosomes and hosts
AssociateProfessor	HATOYA Shingo	Embryonic stem cell, Regenerative veterinary medicine, In vitro fertilization
AssociateProfessor	FUJIMOTO Yuka	Metabolism, Veterinary diagnostic imaging, Veterinary surgery
AssociateProfessor	HOSHI Hidenobu	Veterinary public health, Bacterial toxin, Detection of bacterial pathogenic agents, Environmental toxicology
AssociateProfessor	MATSUYAMA Satoshi	Molecular diagnosis of animal tumor-related genes, DNA damages and the genetic consequences, Base excision repair systems in mammalian cells
AssociateProfessor	MORIYAMA Mitsuaki	Veterinary physiology, Amino acid metabolism

the Graduate School of Life and Environmental Sciences

Division of Veterinary Science

Title	Name	Research Profiles
Lecturer	YAMAMOTO Ryohei	DNA damages and the genetic consequences, Base excision repair systems in mammalian cells, Molecular diagnosis of animal tumor-related genes
AssistantProfessor	FURUYA Masaru	Advanced diagnosis and therapy of small animal dermatosis and tumor
AssistantProfessor	HAYASHI Akiyoshi	Renal failure, Carbonyl stress, Urinalysis, Hemodialysis, Veterinary surgery, Veterinary clinical medicine
AssistantProfessor	HINENOYA Atsushi	Food microbiology, Molecular epidemiology, Antimicrobial resistance, Molecular pathogenesis, Molecular diagnosis
AssistantProfessor	IWASAKI Tadashi	Veterinary immunology, Animal infectious diseases
AssistantProfessor	KOHDA Tomoko	Veterinary hygiene, Bacterial toxin
AssistantProfessor	KONDO Tomohiro	Genetic analysis of mouse cataract model
AssistantProfessor	MATSUZAWA Takeshi	Innate immunity against intracellular bacteria
AssistantProfessor	NAKAGAWA Hiroshi	Toxicology, Roles of ER-localized trimeric G proteins in COP II vesicle transport, Role of Sar1 protein in COP II vesicle formation
AssistantProfessor	YASUGI Mayo	Veterinary public health, Molecular bacteriology, Bacterial pathogenesis, Host responses to bacterial pathogens

the Graduate School of Sciences

Division of Mathematics and Information Sciences

Title	Name	Research Profiles
Professor	Naruhiko Aizawa	Mathematical Physics, Representation theory
Professor	Kouyemon Iriye	Algebraic Topology
Professor	Motohide Umamo	Fuzzy Set Theory and Its Applications to Knowledge Information Processing
Professor	Moto O'uchi	Operator Algebra, Functional Analysis
Professor	Mitsuru Kawazoe	Algebraic geometry, Cryptography, Mathematics education(e-learning)
Professor	Kazuhiisa Seta	Knowledge Science, Artificial Intelligence in Education
Professor	Tetsuya Takahashi	Cryptography, Number Theory, Math Education at University Level
Professor	Noriyuki Fujimoto	High Performance Computing
Professor	Tatsuya Maruta	Algebraic Coding Theory, Finite Geometry
Professor	Atsushi Yamaguchi	Algebraic Topology
Associate Professor	Yushi Uno	Algorithms and Computation, Discrete Optimization
Associate Professor	Tetsuya Kazumi	Probabilistic Analysis
Associate Professor	Masaru Kada	Axiomatic Set Theory, Set-theoretic Topology, Mathematical Logic
Associate Professor	Kiriko Kato	Ring Theory
Associate Professor	Takashi Tamura	Mathematical Finance, Stochastic Control
Associate Professor	Toshiharu Hayashi	Statistical Science and Data Science, especially Statistical Inference for Stochastic Processes. And other fields including Mathematical Finance, Survival Analysis and Reliability Engineering.
Associate Professor	Hitoshi Hohjo	Operations Research, Stochastic Model, Decision-making
Associate Professor	Hiroyuki Mianmoto	Homological algebra of Rings
Associate Professor	Yoko Watamori	Multivariate Analysis, Mathematical Statistics
Assistant Professor	Makoto Okada	Natural Language Processing, Machine Learning
Assistant Professor	Ryo Katsuma	Distributed Algorithm for Ad-hoc and Sensor Network
Assistant Professor	Ushio Tanaka	Differential Geometry, Spatio-Temporal Point Process Analysis

the Graduate School of Sciences

Division of Physical Science

Title	Name	Research Profiles
Professor	Toshikazu Onishi	Astrophysics, Radio Astronomy, Star Formation
Professor	Yoshiki Kubota	Accurate Crystal Structure Analysis, X-ray Diffraction, Synchrotron Powder Diffraction
Professor	Satoshi Tanaka	Quantum Mechanics, Nonequilibrium Statistical Mechanics, Quantum Optics, Theoretical Physics
Professor	Yuko Hosokoshi	Magnetism, Molecular Materials, Low Temperature Physics, Micromachining, Electromagnetism, Experimental Physics
Professor	Hirokazu Maekawa	Metamorphic Petrology, Geology, Earth Science
Professor	Kohji Mizoguchi	Solid State Physics, Optical properties of condensed matter, Ultrafast phenomena in semiconductors and nano-structures,
Associate Professor	Takuya Iida	Bio-photophysics, Laser tweezers, Light-induced force, Fluctuation, Electromagnetic analysis, Nanophotonics, Photochemistry, Analytical science, Medical Physics,
Associate Professor	Kazuhiko Ishii	Solid Earth Science, Dynamics of Subduction Zones
Associate Professor	Yasuto Itoh	Structural Geology
Associate Professor	Toshio Ono	Magnetism, Low Temperature Physics, Electromagnetism, Mechanics, Micromachining, Experimental Physics
Associate Professor	Taketoshi Kawai	Solid State Physics, Optical properties of condensed matter, Development of phosphor and scintillator materials
Associate Professor	Kazuki Kanki	Quantum Mechanics, Statistical Mechanics, Nonequilibrium Phenomena, Transport Phenomena, Theoretical Physics
Associate Professor	Hiroyuki Maezawa	Astrophysics, Planetary Science
Assistant Professor	Hiroki Ishibashi	solid state physics, materials science, crystallography, X-ray diffraction, magnetism
Assistant Professor	Goro Oohata	Solid state physics, Optical properties of condensed matter, Semiconductor microcavity and nano-structure, Quantum optics and Quantum information science, Experimental physics
Assistant Professor	Garmon Savannah	Quantum Mechanics, Open Quantum Systems, Resonance Phenomena, Theoretical Physics
Assistant Professor	Kazuyuki Muraoka	Astrophysics, Radio Astronomy, Star Formation in galaxies
Assistant Professor	Hironori Yamaguchi	Magnetism, Molecular Materials, Low Temperature Physics, Electromagnetism, Experimental Physics

the Graduate School of Sciences

Division of Chemistry

Title	Name	Research Profiles
Professor	Shiro Koseki	Quantum Chemistry, Theoretical Chemistry, Computational Chemistry
Professor	Masaaki Sato	Polymer Chemistry Synthesis Using Flow Chemistry Systems
Professor	Masahiro Toyota	Organic Chemistry Total Synthesis of Bioactive Natural Products
Professor	Shigeo Hayakawa	Physical Chemistry. Gas Phase Ion Chemistry and Mass Spectrometry
Professor	Hiroyuki Matsuzaka	Inorganic and Organometallic Chemistry Synthesis and Reactivity of Organotransition Metal Clusters
Professor	Ilhyong Ryu	Organic Chemistry. New Synthetic Methodologies
Associate Professor	Toshio Asada	Theoretical and Computational Molecular Science Development and Application of Computer Simulation Methods
Associate Professor	Ken Kamikawa	Synthetic Organic and Organometallic Chemistry, Asymmetric Synthesis and Synthesis of π -Conjugated Poly Aromatic Hydrocarbon
Associate Professor	Shin Takemoto	Inorganic Chemistry and Catalysis New Functional Ligands for Transition Metal Catalysis
Associate Professor	Takahide Fukuyama	Organic Chemistry. Development of New Catalytic Transformation and Sustainable Chemical Processes
Associate Professor	Hideki Fujiwara	Physical Chemistry and Functional Material Chemistry Development of Molecular Functional Materials
Associate Professor	Hiroshi Matsubara	Fluorous Chemistry Computational Investigations into Reaction Mechanism
Lecturer	Hideo Kojima	Bioorganic Chemistry Organic Synthesis by Biocatalyst
Assistant Professor	Kenichi Iwamoto	Physical Chemistry Gas Phase Ion Chemistry, Mass Spectrometry
Assistant Professor	Mitsuhiro Ueda	Organic Chemistry. Development of New Catalytic Reactions Based on the Use of Organometallic Species and Organomolecule
Assistant Professor	Hajime Kameo	Inorganic and Organometallic Chemistry Synthesis and Reactivity of Organotransition Metal Complexes
Assistant Professor	Akimasa Fujihara	Physical Chemistry Gas-Phase Atomic and Molecular Clusters
Assistant Professor	Yasushi Makino	Bioorganic Chemistry Structural and Functional Analysis of Biomolecules

the Graduate School of Sciences

Division of Biological Science

Title	Name	Research Profiles
Professor	Junichi Ueda	Plant growth substances, Plant sciences in space, Plant physiology
Professor	Masahito Oka	Biomolecular science, Liberal arts & sciences for human education
Professor	Mikio Kato	Molecular phylogenetics and evolution of aquatic insects, Studies on unusual DNA structures
Professor	Seiji Kodama	Radiation biology, Chromosome instability, Radiation effect on embryos, Biology of neural stem cells
Professor	Takaya Satoh	Cell biology, Intracellular signal transduction mediated by small GTPases, Molecular mechanisms for diabetes
Professor	Toshiji Tada	Protein structure determination by X-ray crystallography, Structural adaptability in the ligand-binding site of the Ecdysone receptor, Structural basis for the regulatory mechanisms of MAP kinase
Professor	Satoru Tokutomi	Structure and molecular mechanism of light-signal perception of plant photoreceptors, Optogenetics
Professor	Toshiyuki Namba	Mathematical model, Ecological community, stability, structure and dynamics, Spatial heterogeneity
Professor	Masayuki Hara	Biotechnology, Tissue engineering, Biomaterials, Biopolymers, Neuroscience, Developmental biology, Cell biology, Stem cell
Professor	Ikuo Fujii	Protein science, Enzymology, Bioorganic chemistry, Chemical biology, Medicinal chemistry
Professor	Kensuke Miyamoto	Plant growth substances, Mode of action of plant hormones, Plant physiology
Professor	Nobuko Mori	Genetics of radiation lymphomagenesis, Biology of neural development
Professor	Takashi Yagi	Molecular and cellular genetics, Genotoxicology, DNA damage, DNA repair, and Mutagenesis
Associate Professor	Michihiro Ishihara	Ecology and evolution, Life history evolution of insects, insect-plant interactions
Associate Professor	Hideshi Ihara	Cell biology, Molecular biology, Biochemistry, Neurochemistry, Chemical biology, Redox biology
Associate Professor	Eiji Ueda	Plant physiology. Symbioses between plants and microbes. Cell separation in plants
Associate Professor	Maki Onda	Protein folding, Structural biology, Conformational diseases, Neurodegeneration, Biophysical chemistry
Associate Professor	Masanobu Kawanishi	Environmental toxicology, Environmental mutagenesis, Biotechnology, Molecular biology
Associate Professor	Takayoshi Kinoshita	Structural biology, Structure-based drug discovery, Biophysical chemistry, Analytical chemistry, Protein kinases
Associate Professor	Takeshi Tsumuraya	Bioorganic chemistry, Chemical biology, Antibody engineering
Lecturer	Hideo Ezo	Mathematical ecology, Population dynamics, Evolutionary game theory, Evolution of mutualism
Lecturer	Satomi Takeda	Plant physiology, Plant cell culture, Photosynthesis
Assistant Professor	Kazunori Shiraishi	Radiation biology, Radio-adaptive response in vivo, Biology of neural stem cells
Assistant Professor	Nobuyuki Takenaka	Molecular and cell biology, Intracellular signal transduction mediated by small GTPases, Analysis of mouse phenotype
Assistant Professor	Takako Nishino	Plant speciation, Plant molecular taxonomy, Plant ecology and evolution, Conservation botany
Assistant Professor	Diosuke Fujiwara	Chemical biology, Peptide science, Directed evolution
Assistant Professor	Hideki Mori	Biotechnology, Stem cell biology, Bioprocess engineering, Tissue engineering, Biomaterials, Neuroscience
Assistant Professor	Shizue Yoshihara	Biochemistry, Biophysical chemistry, Photobiology of plants

the Graduate School of Economics

Title	Name	Research Profiles
Professor	ARAKI Nagateru	Commerce, Commercial science
Professor	KITAI Akira	Organization theory
Professor	KUSAKA Fumio	Tax Law
Professor	KONDO Masashi	Theoretical economics, History of economic thought
Professor	SHICHIJO Tatsuhiro	Theoretical economics ,Economic statistics, Game theory, Low fertility
Professor	TSUJI Mineo	Accounting, Bookkeeping, Financial accounting, International accounting
Professor	NAKAYAMA Yuji	Theoretical economics, Distribution channel, Marketing Science
Professor	NISHIOKA Hideki	Public finance
Professor	HAN Chi	Theoretical economics, International economics
Professor	MATSUKAWA Shigeru	Macroeconomics, Labor economics
Professor	MIZUTORI Yoshinobu	Public law studies, International law studies, Le droit public,Le droit international
Professor	MURASAWA Yasutomo	Economic statistics, Applied econometrics
Professor	MORITA Hiroyuki	Sensitivity informatics/soft computing ,Business administration
Professor	YAMAMOTO Koji	Accounting, Management accounting, cost accounting
Professor	WATANUKI Shinichiro	Theoretical economics, Regional economics, Land economics
Associate professor	UNO Hiroshi	Theoretical economics, Microeconomics, Game Theory
Associate professor	KANEKO Kunihiko	Macroeconomics, International economics
Associate professor	KANO shigeki	Economic statistics, Applied econometrics
Associate professor	KOJIMA Hirofumi	Accounting, Financial accounting, Positive accounting
Associate professor	SUMIDA Morimichi	Law of torts (Japanese and French)
Associate professor	TACHIBANA Minoru	Monetary Policy
Associate professor	NISHIZAWA Shinzo	Public law, Tax law
Associate professor	FURUKAWA Tomoo	Corporate law, Securities law
Associate professor	YOSHIDA Motonori	Public economics, Public finance, Public finance of local governments

the Graduate School of Humanities and Social Sciences

Department of Language and Culture

Title	Name	Research Profiles
Professor	AOKI Shizuko	Japanese monogatari and waka in the Heian period, and their reception history
Professor	Kondo Naoki	English Literature and literary theory
Professor	Santou Isao	Language policy and nationalization of language in modern Japan, historical study of Japanese as spoken by Japanese immigrants
Professor	SODA Hiroaki	Faulkner Studies, modern American literature, critical discourse analysis
Professor	TAKAGAKI Yumi	Contrastive study of text organization, contrastive rhetorics, contrastive linguistics (French and Japanese)
Professor	Takagi Sachiko	Discourse analysis, critical discourse analysis, conversational implicature, ideology
Professor	Takino Tetsuro	Antebellum Southern literature
Professor	TANAKA Munehiro	Setsuwashu (collected setsuwa tales) in the Heian and Kamakura periods, Buddhist literature in Japan, setsuwa (legendary literature) in relation to waka (classical Japanese poems)
Professor	Zhang Linsheng	Acquisition of Japanese as a second language, contrastive study of methods for determining typological features of languages
Professor	Nishio Junji	Verbal expressions of attitude, the social functions of Japanese, change in Japanese dialects, the description of Japanese dialects
Professor	Nishida Masahiro	Japanese philology, history of scholarship
Professor	HASHIMOTO Kiyota	Formal syntax, natural language processing, discourse grammar, educational technology.
Professor	Murata Migifumi	The oldest Japanese anthology (Manyoushu)
Professor	Yamasaki Masazumi	Literature and nation-state; minorities and capitalism; the works of Dazai Osamu
Associate professor	Okumura Kazuko	Japanese phonology, especially the history of accent
Associate professor	Miyahata Kazunori	Analysis and description of polysemy, cognitive mechanisms in meaning and understanding
Lecturer	Keane Kevin	Edward Albee, Raymond Carver, modern American drama, post-modern American fiction
Lecturer	NAKAMURA Naoko	The relation of language and society, the history of German linguistics in the 19th century

the Graduate School of Humanities and Social Sciences

Department of Human Sciences

Title	Name	Research Profiles
Professor	Akiba Yutaka	Comparative study of happiness in this world and the next between Japan and the West, sociological study of acceptance and transformation of Japanese new religions in the West, qualitative study of sociology based on
Professor	Asai Michiko	Foucault's theory of micro-power (bio-power and pastoral power), bioethics (reproductive technology), the political theory of J-J. Rousseau
Professor	Ida Kumiko	Gender studies focused on precarious labour and unpaid domestic labour: history of the Italian feminist movement in the 1970s
Professor	Ide Wataru	Organizational behavior, performance appraisal and motivation in organizations, social cognition
Professor	OHGATA Tohru	The soul in Chinese philosophy, the ancient Chinese folk belief in the existence of mountain wizards
Professor	Odaira Keiichi	Literature of the Ming (明) and Qing (清) dynasties, history and theory of the dreams of Chinese people
Professor	Okamoto Masahiko	Cognitive development and instructional design, how children learn in school, mathematics education
Professor	Kawai Masumi	Exchanges between Japanese dramas and novels in the Edo era, cultural formations relating to Japanese dramas in the Edo era
Professor	kawahara toshihisa	Image in psychotherapy, the therapeutic meaning of physical complaints and bodily senses in psychotherapy, the therapeutic subject in relation to image and body
Professor	Saito Ken	The beginning and development of Greek mathematics, restoration of Greek mathematics in the Renaissance.
Professor	Sakai Takashi	History of the city, urban popular culture; thought on power, violence, war, etc.
Professor	Sumitomo Akifumi	"Taisho Democracy", history of nuclear development in Japan
Professor	SOUJA Junji	Psychopathology of psychiatric illnesses; the psychotherapeutic process, especially in view of "projective identification"
Professor	Tama Yasuko	Family sociology, reproductive health and rights, motherhood
Professor	Nakamura Osamu	Research on what is gained and lost through modernization
Professor	Hagiwara Hiroko	Feminist thought, the politics of visual representation
Professor	Fukuda Tamami	Geographical studies of culture, place and landscape; heritage studies; feminist geography
Professor	Hosomi Kazuyuki	The Frankfurt School (Adorno, Benjamin, etc.), modern poetry, "Zainichi" (Korean residents of Japan) literature
Professor	Makioka Shogo	Synesthesia, visual word recognition, neural networks
Professor	Miyawaki Yukio	History and culture of the indigenous peoples of southwestern Ethiopia
Professor	Murata Kyoko	Nineteenth century French literature, fantastic literature, women writers, literature and gender, literature and fine art
Professor	Morioka Jiro	The notion of "otherness" in education, theory and practice of education and welfare
Professor	Yoshida Atsuhiko	Holistic education, alternative education, Waldorf Education, Martin Buber's educational thought
Professor	Watanabe Shinji	Design of desirable economic systems based on culture, computerization in relation to personal and organizational economics
Professor	Wada Yasuhiro	Human science focusing on law and disputation as a sociological phenomena
Associate professor	Ii Naohiro	UNESCO International Education (education for international understanding), UNESCO ASP net, Policies on constitutional law and education
Associate professor	UEGAKI Takahide	Philosophical and ethical study of the principles of environment and sustainability
Associate professor	ENDO Takahiro	Water resources management
Associate professor	Kaji Yoshihiro	Sixteenth century French literature and civilization: humanism, prose tales, women's literature, changing images of the others by contact with the << New World >>; nationalization of the French language
Associate professor	Kawabe Tetsuya	Déjà vu experiences, psychology in Antarctica, autobiographical memories
Associate professor	KUDO KOJI	Research on social problems and deviant behavior
Associate professor	Sasaki Hiromitsu	History of European Jews, racial issues, persecution and coexistence, history of education
Associate professor	Takahashi Koji	Psychotherapy: creativity of image and physicality, the image group approach, school counseling
Associate professor	TOBITA Kunihito	Creation of comfortable and healthy buildings and urban environments of the low environmental load type
Associate professor	Hashimoto Tomohiro	Psychotherapeutic transformation and symbolic experience, the symbolism of Japanese traditional festivals, the Rorschach test
Associate professor	MAEGAWA Masayuki	History of « the social question » and the welfare state, history of urbanism and regionalism
Associate professor	Mizuno Masahiko	Agglomeration and dispersion of industries, the economic geography of knowledge creation and interfirm networks

the Graduate School of Humanities and Social Sciences

Department of Social Welfare

Title	Name	Research Profiles
Professor	Ono Tatsuya	Voluntary social services (nonprofit organizations, individual volunteer activities and community welfare councils), radical community work
Professor	Kojima Akiko	Ethics and values in social work, ethical issues in social work, gender studies and social welfare
Professor	sekikawa yoshitaka	Legal systems related to social welfare and administration of welfare institutions, protection of the rights of persons with disabilities in the U.S., e.g., the Americans with Disabilities Act (ADA)
Professor	Nakayama Tohru	Poverty and social policy, comparative study of poverty
Professor	Nishida Yoshimasa	Processes of schooling and reproduction of inequality; social exclusion; discrimination issues
Professor	Higashi Yuko	Study of social support systems related to sexual health and rights (HIV/AIDS and key populations, transgender people, etc.)
Professor	yamanaka kyoko	Social work for people with HIV/AIDS, conceptual analysis for inter-professional collaboration
Professor	Yamano Noriko	Research on child abuse prevention networks, school social work in the child and family consultation system, parent support programs
Professor	Yoshitake Shinji	Human welfare, healthy diet, effective body training, physical education
Associate professor	ITO Kayoko	Foster care (institution, group home and foster parent), social work and residential care work in children's homes, family social work in cases of child abuse
Associate professor	Saga Yoshiko	Poverty and public assistance, comparative study of homelessness policies in Germany and Japan
Associate professor	Satomi Keiko	Methodologies for enhancing the training of infant care personnel; methodologies for assisting integrated education; support for communication between children with disabilities and their families
Associate professor	Tagaki Masakuni	Life-span development and social welfare of people with disabilities and their family members, action research on municipal government disability policies
Associate professor	NAKATANI NATSUKO	Family support in day nurseries, child-rearing support and empowerment by citizen participation, problems of child-rearing such as child-rearing anxiety
Associate professor	Matsuda Hiroyuki	Approaches and values of self-help groups, relationships between self-help groups and professionals
Associate professor	Mita Yuko	Research into the ideal form of welfare assistance for people with mental disorders that fully reflects each person's needs and will
Associate professor	Yoshihara Masaaki	Comparative study of dementia care in Japan and Sweden, comparative study of local social service departments

the Graduate School of Nursing

Title	Name	Research Profiles
Professor	NAKAYAMA Miyuki	Family mental health, Multiple role, Assisted Reproductive Technology, High-risk infant, Child care support
Professor	NARAGINO Hiromi	Child abuse and neglect, Parenting support, Preparation
Professor	MACHIURA Michiko	Health Issues of Adolescence, Pregnancy, Puerperium and menopause, Human Sexuality, Reproductive health /Rights
Professor	UENO Masae	Community health nursing,/Public health nursing, Preventing child abuse and neglect with home visiting by public health nurses, Maternal and child health
Professor	TAJIMA Nagako	Psychiatric and mental health nursing, Practice of psychiatric nursing,Clinical Competency, The home-visiting nursing care for mental disabilities living in the community, Clinical education of psychiatric nursing.
Professor	NAGAHATA Tayo	Gerontological nursing/ End of life care, Nursing in welfare facilities, Nursing for the elderly with dementia
Professor	NAKAMURA Yumiko	home care nursing, visiting nurses, family caregivers,
Professor	TANAKA Kyoko	Oncology nursing, Terminal Care, Perioperative Nursing, Stress Coping, Crisis Theory, Decision Making of the cancer patient
Professor	HATAMOCHI Chieko	chronic care nursing, heart disease patient, hypertension, behavioral therapy(self-monitoring), support for decision making
Professor	HORII Satoshi	Infection Control Nursing, Infection Control, Compromised Patient, Infected Patient, Microorganism Pollution, Microbial Parameters
Professor	KAIDO Takero	Nursing Informatics, Data Mining, Health Administration, Global Warming, Health Statistics
Professor	SHIDA Kyoko	Nursing Administraion, Nursing Ethics, Ethical Behavior, Organizational Culture
Professor	SUGIMOTO Yoshie	Nursing Skills, Safe Patient Handling, Teaching Nursing Skills
Professor	HOSODA Yasuko	Nursing education, Continuing education, Clinical learning environment, Clinical competence, Educational assessment, Self-care deficit nursing theory
AssociateProfessor	OKAMOTO Fumiko	Family nursing, Grief care, Discharge support, Palliative care at home
AssociateProfessor	SAHO Minako	Maternal Nursing, Midwifery, sexuality education, sexuality support for phisically handicapped children, safe dating class, mannar in healthy relationships, prevention education for HIV/AIDS, support for children with
AssociateProfessor	NAKAJIMA Yukari	Midwifery,Maternity Health Nursing,Perinatal Health Behavior,Automobile educational program for protecting pregnant women and their fetuses
AssociateProfessor	OKAWA Satoko	Community Health Nursing, Community development, Community based parenting support for young parents.
AssociateProfessor	KITAGAWA Makiko	School health is school health services and health education and school health organization *fanction and role of Yogo teachers *qualities and competencies of Yogo teachers
AssociateProfessor	BEKKU Naoko	Mental Health and Psychiatric Nursing, Relaxation, Stress, Support for person with and family of ASD (Autism spectrum disorder)
AssociateProfessor	MATSUDA Chitose	Gerontological nursing, Care of elderly with dementia, Communicating Information
AssociateProfessor	ISHIDA Yoshiko	Surgical nursing, Simulated learning in nursing education, Stress and adaptation
AssociateProfessor	KAGAWA Yumiko	Oncology Nursing, Palliative Care, Self Management
AssociateProfessor	SATO Yoshiko	infection control nursing, activity of infection control team, cognition and behavior on infection control
AssociateProfessor	HAYASHIDA Yumi	Oncology nursing/Cancer nursing, Nursing to cancer patient receiving treatment(surgery, chemotherapy and biotherapy, radiotherapy), Nursing to cancer patient undergoing outpatient treatment
AssociateProfessor	YABUSHITA Yae	Chronic care nursing, Care and support for patients with inflammatory bowel disease, Discharge nursing, Ethical nursing practice,
AssociateProfessor	KAMINO Yukika	Nursing Education, Continuing Education, Narrative Approach
AssociateProfessor	NAKAOKA Akiko	The basic nursing skills education, Critical thinking, The life story resarch
AssociateProfessor	MUYA Makiko	Job satisfaction, Nurse, Acute care hospital, Nursing administration
Lecturer	OKAZAKI Yuko	Pediatric Nursing/Preparation , Parenting Support , Parenting
Lecturer	FURUYAMA Miho	Preventing Child Abuse, Child Care Support, Sex education,Sexuality
Lecturer	YAMAUCHI Kae	Geriatric nursing,Nursing homes, End-of-life care
Lecturer	MATSUMOTO Chiharu	Nursing Informatics/ Amount of Nursing Care, Nursing Minimum Data Set, DPC Perioperative Nursing/ Gastric Cancer, Patient Education
Lecturer	ITO Ryoko	Sexuality,Gender,Sexual assault Nursing technique,Nursing education
Lecturer	EGUCHI Kyoko	Nursing of elderly patients with dementia in general hospitals, Person-Centered Care, Dementia Care Mapping
Lecturer	YAMAGUCHI Maiko	Orthopedic Nursing, effect of relaxation care for pain
AssistantProfessor	KOH Chie	Maternity nursing and Midwifery, Sex Education, Sex Behavior, Adolescence, Korean living in Japan, Sexuality

AssistantProfessor	HABATA Masataka	Child nursing, Psychology of the family of the impaired child,Home medical care of child and family
AssistantProfessor	YAMADA Kanako	Health education for pregnant women, Sexual education, GDM(gestational diabetes mellitus)
AssistantProfessor	NEGORO Sayumi	Community health nursing, Elderly,Care prevention, Health support, Skin care
AssistantProfessor	FUKAYAMA Kaori	Home care Nursing, Elderly people, Family
AssistantProfessor	YASUMOTO Risa	Community health nursing, Public health nursing, Public health nurse, Supporting of patient with tuberculosis
AssistantProfessor	YAMAJI Kayo	Gerontological Nursing, care for people with dementia, Dementia advocacy
AssistantProfessor	INOUE Nana	Nursing Education/Flow Theory, Clinical Nursing/Critical Thinking, Patient Education after Gastrectomy
AssistantProfessor	KADONO Masaharu	Self management of chronic disease patients,Cardiac rehabilitation
AssistantProfessor	TOKUOKA Yoshie	Oncology nursing, Cancer chemotherapy nursing, Palliative care
AssistantProfessor	MINAMIMURA Fumiyo	Chronic care nursing, Diabetes, Education for patients, Self-management, Disease disclosure, Decision making, Behavior change
AssistantProfessor	IWASAKI Yukie	Pressure Ulcers, Skin care for elderly people, Nursing skill,
AssistantProfessor	SUMIDA Chie	nursing education, student education, clinical practice, training enviroment, resilience

the Graduate School of Comprehensive Rehabilitation

Title	Name	Research Profiles
Professor	Hiroyuki INADOMI	Rehabilitation in psychiatry, Occupational therapy in mood disorders
Professor	Hiroshi INUI	Functional Food Science, Molecular Nutrition, Vitaminology
Professor	Kuniharu OKUDA	Adapted sports, Biomechanics, Social participation for disabled
Professor	Tomoko OZEKI	Nutrition for older persons, Nutrition education
Professor	Shigeki KAMITANI	Public Health, Pathogenic Bacteriology, Molecular Biology
Professor	Masashi SUGANO	Health informatics, Information network
Professor	Sinichi TAKABATAKE	Evaluation methods for occupational therapy, Occupational Therapy for elderly people, Cognitive dysfunction, Parkinson's disease
Professor	Takashi NISHIKAWA	Higher brain function, Neuropsychology, Cognitive science
Professor	Kazuo HIGAKI	Life function of the person with a disability, Occupation and life, Occupational therapy education
Professor	Yumi HIGUCHI	Gerontology, Gerontological rehabilitation
Professor	Koichi HIRAOKA	Motor control, Motor learning, Neurophysiology
Professor	Satoshi FUCHIOKA	Musculoskeletal Physical Therapy
Professor	Shuji HORIBE	Orthopaedic Sports Medicine
Professor	Makoto MURATSUGU	Bioanalytical Science
Professor	Yukie YOSHIDA	Oral Health Care
Associate professor	Kenichi ITO	Cardiopulmonary Rehabilitation, Exercise for Metabolic Disorders
Associate professor	Toshio IWAKI	Metabolic nutrition, Functional metabolism
Associate professor	Akira IWATA	Musculoskeletal Physiotherapy, Sports Science
Associate professor	Hisao OHNISHI	Higher Cognitive Dysfunction and Minimally Conscious State, Mirror Neuron System, Psychometrics
Associate professor	Yukiko OGAWA	Oral Health Science
Associate professor	Akemi KINOSHITA	Foods science
Associate professor	Setsuko TAKAHASHI	Oral Health Sciences
Associate professor	Yasuo NAITO	Event-Related Potentials, Occupational therapy for clients with cognitive impairments
Associate professor	Tomoko NISHIKAWA	Occupational Therapy in Oncology and Palliative Care, Health Communication, Activities of Daily Living, Assistive Technology
Associate professor	Ryo YONETSU	Pediatric Physical Therapy, Rehabilitation Biomedical Engineering
Associate professor	Ayaka YAZAWA	Public health and community nutrition , Health science
Lecturer	Yukiko KAWAKAMI	Sports nutrition, Nutritional Assessment
Lecturer	Michinori KUROKAWA	Food Service Management, Policy Epidemiology, Dietary Survey
Lecturer	Hisanori KOJIMA	Activities of Daily Living, Assistive Technology
Lecturer	Kiyomi TATEYAMA	Occupational Therapy for Developmental Disorders, Special needs education, Family Support, Sensory Integration Therapy
Assistant professor	Kazuyo ORYOJI	Occupational therapy for physical dysfunction, Occupational therapy for children with developmental disorders, Disorders of consciousness
Assistant professor	Shinya OGAYA	Biomechanics, Simulation
Assistant professor	Masataka KATAOKA	Adapted sports, Biomechanics, Social participation for disabled
Assistant professor	Makihiko KUHARA	Clinical Biochemistry (enzymatic analytics, Immune chemistry)
Assistant professor	Rikio TAKAO	Sports nutrition, Nutritional epidemiology
Assistant professor	Hiroaki TANAKA	Occupational therapy for people with mental disorders, Cognitive function of schizophrenia, Interoceptive awareness
Assistant professor	Koji NONAKA	Skeletal muscle, Physical Agents

Faculty of Liberal Arts and Science

Title	Name	Research Profiles
professor	KAMEKI Makoto	Ethics, Political Philosophy
Professor	Yoshiro Ogura	English Education, Translation and Interpretati on Studies
Assistant Professor	Masahiro Takane	Philosophy of Education
Associate Professor	Mayumi Fujioka	Academic Literacy Development in English, University Writing Centers on English Academic Writing
Associate Professor	Kanji Suyama	General Chemistry, Polymer Chemistry, Functional Organic Materials
Associate Professor	Shuchun Inagaki	EFL, Effects of extensive reading on English proficiency, Using movies in an EFL classroom

Research Organization for University-Community Collaborations

Title	Name	Research Profiles
Associate Professor	Kimie Kumayasu	Sport, Gender
Associate Professor	Yoshimasa Matsuura	Health science, Health promotion and improvement
Associate Professor	Hamaguchi Masayuki	Health and Sports Science
Associate Professor	Shoji Makoro	Health Science Health education
Associate Professor	Takaaki Miyake	Health Education for Children

Research Organization for 21st Century

Title	Name	Research Profiles
Professor	Toshiyuki Matsui	Physics of Materials, Ion Beam Modification of Materials
Lecturer	Atsuko Kosuga	Development of Novel Thermoelectric Materials with High Performance
Lecturer	Yan Xu	Development of Functional Nano-Bio Interfaces and Devices for Medicine, Chemistry and Energy
Lecturer	Shunsuke Yagi	Synthesis of Nanomaterials via Chemical or Electrochemical Methods for Rechargeable Battery Systems
Lecturer	Ikuya Yamada	High Pressure Synthesis of New Materials and Development of Novel Functions
Lecturer	Ryo Nouchi	Organic-Semiconductor Devices with Novel Principles and Atomic-Sheet Devices with Graphene Analogs
Lecturer	Ikuhiko Nakase	Cellular Regulation Technology in Intracellular Delivery and Artificial Receptor-Ligand Systems
Lecturer	Hidekazu Ikeno	Computational Materials Science and Nano-scale Characterization by Electron Spectroscopy
Lecturer	Masaya Hagiwara	Control of cell culture environments by using micro-nano devices for in vitro tissue reconstructions
Lecturer	Takashi Kamegawa	Design of Nanocatalysts and Photofunctional Nanomaterials for Energy and Environmental Application

College of Sustainable System Sciences

Title	Name	Research Profiles
Assistant Professor	Yuki Hayashi	Communication Support System, Multimodal Interaction, User Interface