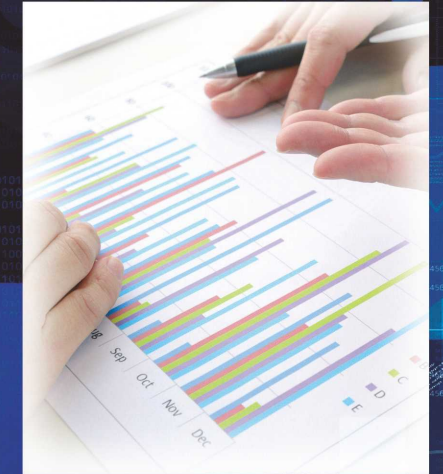




Public University Corporation,  
University of Hyogo



# Researchers Map 2020

Technology & Business



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University of Hyogo, Researchers Database

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## Technology

### Greeting

Akira Enokihara Director of Technology Support Center



The Researchers Map (Technology Edition) includes research themes of technology-related teaching staffs of University of Hyogo. These are grouped in technology fields to easily find your interested themes. In addition, "Research Seeds for Industry-Academia Collaboration", which appear in our web site, explain each research in detail. We hope our research activities will help you through industry-academia collaborations.

### Manufacturing

#### Fundamental technology

- |  |                        |   |                         |
|--|------------------------|---|-------------------------|
| ▶ Development of impact energy absorbing member  | Kaizu, Koichi, Eng     | ▶ Organic reaction chemistry  | Fujita, Morifumi, Sci   |
| ▶ Dissimilar material welding by friction heat for multi-material structure            | Kimura, Masaaki, Eng   | ▶ Design of accelerator electromagnets by 3D calculation                            | Shoji, Yoshihiko, Ast   |
| ▶ Interface strength evaluation of connecting joint                                    | Kusaka, Masahiro, Eng  | ▶ Control of measurement instruments in particle accelerators                       | Hashimoto, Satoshi, Ast |
| ▶ Dynamic systems and control  | Sato, Takao, Eng       | ▶ Formation mechanism of laser plasma and application to in-situ elemental analysis | Matsumoto, Ayumu, Eng   |
| ▶ Hydrogen analysis and structure analysis of electro-chemically deposited metal films | Fukumuro, Naoki, Eng   | ▶ Fault diagnosis and fault tolerant control for input redundant systems            | Kawaguchi, Natsuki, Eng |
| ▶ Study on liquid atomization process  | Takagaki, Naohisa, Eng | ▶ Deep drawing of functional material, shot peening process                         | Harada, Yasunori, Eng   |
| ▶ Synthetic chemistry by organic chemistry and solid catalyst                          | Sugimura, Takashi, Sci | ▶ Development of organic reactions  | Shimogaki, Mio, Sci     |

#### Ferrous and non-ferrous metal materials

- |   |                         |   |                    |
|---|-------------------------|---|--------------------|
| ▶ Microstructure observation in metals by using synchrotron radiation | Adachi, Hiroki, Eng     | ▶ Mechanical properties in titanium alloy at elevated temperature | Ito, Atsushi, Eng  |
| ▶ High strength and high ductility for steels                         | Tsuchida, Noriyuki, Eng | ▶ Superconducting material  | Okai, Daisuke, Eng |
| ▶ Ultrafine grained materials and their mechanical properties         | Torizuka, Shiro, Eng    |   |                    |

#### New materials

- |   |                          |   |                         |
|---|--------------------------|---|-------------------------|
| ▶ Preparation and characterization of thin solid films            | Inoue, Shozo, Eng        | ▶ Organic conductors and semiconductors                                       | Kadoya, Tomofumi, Sci   |
| ▶ Synthesis and properties of functional ceramics                 | Kikuchi, Takeyuki, Eng   | ▶ Development of organic functional materials                                 | Yamada, Jun-ichi, Sci   |
| ▶ Synthetic chemistry for organic electronics                     | Nishida, Jun-ichi, Eng   | ▶ Development of novel multifunctional materials based on molecular materials | Kubo, Kazuya, Sci       |
| ▶ Development and evaluation of the metallic biomedical materials | Miura-Fujiwara, Eri, Eng | ▶ Development of new materials derived from biomass and unused resource       | Fukae, Ryohei, Hse      |
| ▶ Development of nanocrystalline materials and their microforming | Yamasaki, Tohru, Eng     | ▶ Development and characterization of the ionic liquids                       | Kakibe, Takeshi, Eng    |
| ▶ Mechanics of graphene   | Inui, Norio, Eng         | ▶ High performance, high functional polymer composites                        | Kishi, Hajime, Eng      |
| ▶ Photoresponsive polymers, self-organized materials              | Kawatsuki, Nobuhiro, Eng | ▶ Fabrication and evaluation of super-hard thin films                         | Tanaka, Ippei, Eng      |
| ▶ Photoinduced change in physical properties of polymer films     | Kondo, Mizuho, Eng       | ▶ Development of membrane materials using biomembrane structure               | Taguchi, Shogo, Eng     |
|   |                          | ▶ Application of nanomaterials as lubricant                                   | Matsumoto, Naohiro, Eng |

#### Machining and measurements

- |   |                         |  |                         |
|---|-------------------------|--|-------------------------|
| ▶ Electrical insulation technologies of inverter-fed motors and application of plasma discharges    | Nagata, Masayoshi, Eng  | ▶ MEMS technologies and sensing systems  | Maenaka, Kazusuke, Eng  |
| ▶ Application of control engineering and signal processing  | Araki, Nozomu, Eng      | ▶ Characterization of pulse discharge properties and its application   | Okada, Sho, Eng         |
| ▶ Development of High power pulsed sputtering discharge for surface modification                    | Azuma, Kingo, Eng       | ▶ Friction and wear measurements from nano- to microscale, and applications of nanomaterials as friction additives | Kinoshita, Hiroshi, Eng |
| ▶ Improvement of rolling contact fatigue life   | Abo, Masayoshi, Eng     | ▶ Development of cavitation bubble plasma device and its application   | Oka, Yoshihiro, Eng     |
| ▶ Atmospheric pressure plasma surface treatment and insulation technology of high voltage equipment | Kikuchi, Yusuke, Eng    | ▶ Development of magnetized coaxial plasma gun and its application to material irradiation                         | Fukumoto, Naoyuki, Eng  |
| ▶ Application of fractional calculus and nonlinear dynamics   | Kuroda, Masaharu, Eng   | ▶ High performance optical processing and sensing technology enhanced by spatial phase and polarization filter     | Yoshiki, Keisuke, Eng   |
| ▶ Measurement and control for mechanical engineering  | Konishi, Yasuo, Eng     |  |                         |
| ▶ Nano-processing with gas cluster ion beams  | Toyoda, Noriaki, Eng    |  |                         |
| ▶ Laser forming, Laser joining  | Nunobiki, Masayuki, Eng |  |                         |

#### Advanced device technologies

- |  |                     |   |                        |
|--|---------------------|---|------------------------|
| ▶ Microelectromechanical systems based on piezoelectric thin films | Kanda, Kensuke, Eng | ▶ Electrochemical production of metal films and nanoparticles, and those applications | Yae, Shinji, Eng       |
| ▶ Processing of fine particles and functional inorganic fibers     | Iimura, Kenji, Eng  | ▶ Electrodeposition of functional alloy films from non-aqueous solution               | Yamamoto, Hiroaki, Eng |
| ▶ Organic electronics  | Tada, Kazuya, Eng   | ▶ Preparation of novel material using polymer   | Yusa, Shin-ichi, Eng   |

#### School & Institute

Sis: Social Information Science  
Eng: Engineering  
Sci: Science\*  
Hse: Human Science and Environment  
Nas: Nursing Art and Science  
Ins: Information Science\*  
Ldm: Landscape Design and Management  
Rrm: Regional Resources Management  
Ast: Advanced Science and Technology for Industry  
Nes: Natural and Environmental Sciences  
Npc: Nursing Care for People and Community  
Ge: General Education  
Lai: Library and Academic Information  
Drg: Disaster Resilience and Governance  
Ccr: Creative Cities and Regions  
Ss: Social Science\*  
\*These Graduate Schools are scheduled to launch in April 2021.



## Application of simulation

▶ Dynamic behavior analysis of bio-molecules using molecular simulation	Hayashi, Haruhisa, Lai	▶ Large scale simulation of plasma dynamics	Numata, Ryusuke, Ins
▶ Effective utilization of supercomputers for material science	Nakano, Hiroki, Sci	▶ Modeling and simulation for complex fluids	Yasuda, Shugo, Ins
▶ Visualization of numerical data	Ohno, Nobuaki, Ins	▶ Interface science in nano-micro scale	Washizu, Hitoshi, Ins
▶ Nonlinear data analysis	Nakamura, Tomomichi, Ins	▶ Nathmatical analysis of quantum condensed matter by High-Performace-Computing (HPC)	Kaneyasu, Hirono, Sci

## Information communications

### Internet of things, Network communication technologies

▶ Wireless communication technology: radio waves, hardware, applications	Aikawa, Satoru, Eng	▶ Evaluation of electromagnetic wave absorber and shielding material	Yamamoto, Shinichiro, Eng
▶ High-speed light modulators and their applications	Enokihara, Akira, Eng	▶ Future communication architecture and applied coding theory	Kurihara, Jun, Ins
▶ High-performance microwave passive circuits	Kawai, Tadashi, Eng		

### Artificial intelligence, Information systems

▶ Image processing and pattern recognition	Morimoto, Masakazu, Eng	▶ Applied cryptography and information security	Isobe, Takanori, Ins
▶ Self-adaptive systems based on natural computation	Isokawa, Teijiro, Eng	▶ Information design based on search technologies	Ohshima, Hiroaki, Ins
▶ Information processing mechanism of biological systems	Ikeno, Hidetoshi, Hse	▶ Information analysis and search on the web	Yumoto, Takayuki, Sis
▶ Development of automatic tracking system for the analysis of animal behaviors	Kimura, Toshfimi, Hse	▶ Image processing and pattern recognition	Hiura, Shinsaku, Eng
▶ High-confidence data science and intelligent systems science	Nishimura, Haruhiko, Ins	▶ Human intention/emotion estimation and their applications to robots	Yamazoe, Hirotake, Eng
▶ Embedded system software, Internet of things	Nakamoto, Yukikazu, Ins		

## Nanotechnology

### Microfabrication and characterization

▶ Beam induced surface reaction, Secondary ion mass spectrometry	Moritani, Kousuke, Eng	▶ Identification of crystalline materials by using micro-area diffraction	Hagiya, Kenji, Sci
▶ Development of photo- and redox functions of multimetallic coordination complexes and supramolecular assemblies	Abe, Masaaki, Sci	▶ Exploration of redox functions of metal complexes	Tahara, Keishiro, Sci
▶ Chemical crystallography of photo-luminescent transition metal complexes	Ozawa, Yoshiki, Sci	▶ Development of ultrafast spectroscopic methods for single molecules	Takeuchi, Satoshi, Sci
▶ Photochemisitry and analysis using soft X-ray	Gejo, Tatsuo, Sci	▶ Development of single-molecule spectroscopic system using scanning tunneling microscopy	Aiga, Norihiro, Sci

### Superconductivity, Magnetic materials

▶ Theoretical study on strongly correlated electron systems	Suga, Seiichiro, Eng	▶ Study of the mechanism of magnetism and superconductivity	Mito, Takeshi, Sci
▶ Numerical computations for condensed matter physics	Suzuki, Takafumi, Eng	▶ Basic theory of electric conductance through nanostructure	Nobuyuki, Shima, Ir
▶ Computational simulation study on quantum strongly correlated systems	Sakai, Toru, Sci	▶ Superconductivity appearing under low temperature	Sumiyama, Akihiko, Sci
▶ Magnetism and superconductivity in strong correlated electron system/study of friction surface phenomenon	Ikeda, Shugo, Sci	▶ Theory of new superconductors and organic conductors	Hasegawa, Yasumasa, Sci
▶ Study of the mechanism of magnetism and superconductivity	Ueda, Koh-ichi, Sci	▶ Measurment and evaluation technique of nano-magnets	Yamaguchi, Akira, Sci
▶ Research and development of functional magnetic multi-layered film	Koizumi, Akihisa, Sci	▶ Elucidation and control of superconductivity, magnetism and thermoelectric properties	Nakai, Yusuke, Sci
▶ Investigation on magnetism and superconductivity in materials under high pressure and low temperature	Kobayashi, Hisao, Sci	▶ Low-temperature thermal properties in strongly correlated electron systems	Yamane, Yu, Sci
		▶ Investigation on magnetism and metal-insulator transition	Nagaswa, Nobumoto, Sci

### Nanostructure devices

▶ Preparation of ferroelectric thin films and their applications	Fujisawa, Hironori, Eng	▶ Development of functional materials using nanoparticles	Sato, Seiichi, Sci
▶ Creation of dye-nanoarray using DNA	Nakamura, Mitsunobu, Eng	▶ Measurement and fabrication of organic thin-film devices	Tajima, Hiroyuki, Sci
▶ Oxide electronics for new functional electron devices	Nara, Yasuo, Eng	▶ Image sensors and their applications	Teranishi, Nobukazu, Ast
▶ Synthesis of 2D materials and device applications	Heya, Akira, Eng	▶ Nanomicrosystem for physical and chemical research	Yamaguchi, Akinobu, Ast
▶ Fabrication of nanostructures and their characterization by soft X-ray spectroscopy	Honda, Shin-ichi, Eng	▶ Organic Plasmonics and its application for optoelectronic devices	Komino, Takeshi, Sci
▶ Nanobiodevice that works with membrane proteins on a Si substrate	Sumitomo, Koji, Eng	▶ Separation of semiconducting carbon nanotubes and their applications	Fujii, Shunjiro, Eng
▶ Doping process development of semiconductors and its chracterization at synchrotron radiation facilities	Miki, Kazushi, Eng	▶ Development and characterization of the materials for power devices	Tang, Jiayi, Eng
▶ Low-temperature crystallization of group IV semiconductor thin film and its application to novel quantum device	Matsuo, Naoto, Eng	▶ 2D materials-ferroelectrics composite electronic devices	Nakajima, Seiji, Eng

### Application of synchrotron radiation

▶ Soft X-ray analysis of functional materials	Muramatsu, Yasuji, Eng	▶ Material analysis using SR and synthesis of functional surfaces	Kanda, Kazuhiro, Ast
▶ Development of X-ray microscopes and applications	Kagoshima, Yasushi, Sci	▶ Soft-X-Ray Imaging and analysis of materials using synchrotron light	Harada, Tetsuo, Ast
▶ Time-resolved X-ray measurement using synchrotron radiation	Tanaka, Yoshihito, Sci	▶ Evaluation of functional materials by photoemission spectroscopy	Haruyama, Yuichi, Ast
▶ The local strain estimation of semiconductor devices	Tsusaka, Yoshiyuki, Sci	▶ Materials analysis by near-ambient pressure hard X-ray photoemission spectroscopy	Suzuki, Satoru, Ast
▶ X-ray spectroscopy for high density matter under extreme conditions	Fukui, Hiroyuki, Sci	▶ Advanced lithography for semiconductor devices, and physical properties' evaluation of soft materials using synchrotron radiation	Watanabe, Takeo, Ast
▶ Nano-structural study of biological cells and materials using coherent X-ray imaging	Takayama, Yuki, Sci	▶ Synthesis of materials for advanced semiconductor devices and physical property analysis using synchrotron radiation	Yamakawa, Shinji, Ast
▶ Development of ultrafast magnetic imaging by soft x-ray	Wadati, Hiroki, Sci		

## Energy

### Natural energy

▶ Crystalline silicon solar cells and related area	Arafune, Koji, Eng	▶ Development of high-efficiency silicon solar cells	Yoshida, Haruhiko, Eng
▶ Application of biomass-energy and complex fluid	Itoh, Kazuhiro, Eng	▶ Development of charged silicate layers for surface passivation of Si-solar cells	Hotta, Yasushi, Eng
▶ Creation of new solar cells and hydrogen power system	Ito, Seigo, Eng		
▶ MEMS technology for energy harvesting	Fujita, Takayuki, Eng	▶ System engineering for energy management in district heating and power supply systems	Hoshino, Hikaru, Eng
▶ Low temperature difference heat utilization	Yamaguchi, Yoshiyuki, Eng		

### Energy conservation and storage

▶ Eco-friendly electric/electronic devices and materials for sustainable energy management	Ueno, Hideki, Eng	▶ Preparation of novel materials for energy storage	Matsuo, Yoshiaki, Eng
▶ Energy-conserving and environmentally-friendly thermofluid transport	Kimura, Fumiyoshi, Eng	▶ Development of high-efficiency thermoelectric devices	Mori, Hidenobu, Eng
▶ High-performance cooling technology for energy conservation	Kawanami, Osamu, Eng	▶ Development and evaluation of chemical processes based on crystallization technology	Yamamoto, Takuji, Eng
▶ Development of high performance heat exchanger	Honda, Itsuro, Eng	▶ heat management technology for energy saving	Asakuma, Yusuke, Eng
▶ Separation processes and battery developement at high pressure	Maeda, Kouji, Eng	▶ Efficient hydrogen generation over skeletal metal catalyst	Nozaki, Ai, Eng
		▶ Development of novel multiferroic devices	Kobune, Masafumi, Eng
		▶ Innovation and investigation of next-generation secondary batteries	Inamoto, Junichi, Eng

### Low environmental impact materials

▶ Organic semiconductors for OPV and OLED	Kawase, Takeshi, Eng	▶ Characterization of compound semiconductors by synchrotron radiation	Niibe, Masahito, Ast
▶ Study on cathode materials and Lithium-ion battery	Nakamura, Tatsuya, Eng	▶ Determination of thermodynamic values for providing scientific principles for developing novel rare-earth magnets	Morishita, Masao, Eng
▶ Mechanical properties and strcture control of polymeric materials	Matsuda, Satoshi, Eng		
▶ Solid electrolytes for battery, fuel cell, and chemical conversion applications	Mineshige, Atsushi, Eng		

### Nuclear energy safety control

▶ Development of target injection system for laser fusion	Koga, Mayuko, Eng	▶ Laser Compton gamma-ray source and its application	Amano, Sho, Asr
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## Biological science

### Biophysics

▶ Generating artificial cells	Imataka, Hiroaki, Eng	▶ Energy transduction mechanism in biomembrane	Muramoto, Kazumasa, Sci
▶ Protein folding and aggregation	Machida, Kodai, Eng	▶ Vibrational spectroscopy of protein	Yanagisawa, Sachiko, Sci
▶ Structural biology of proteins related to cancer	Shibata, Naoki, Sci	▶ Protein Structural chemistry by using the neutron diffraction method	Nishikawa, Koji, Sci
▶ Molecular science of metal-binding proteins and protein related to cellular metal dynamics	Shiro, Yoshitsugu, Sci	▶ Time-resolved detection of biomolecular dynamics	Kubo, Minoru, Sci
▶ Structural chemistry on protein molecules in hydrogen energy metabolism	Higuchi, Yoshiki, Sci	▶ Investigation on protein reaction mechanism by spectroscopic measurement	Yamada, Daichi, Sci
▶ Structural analysis of molecular mechanisms of protein degradation pathways	Mizushima, Tsunehiro, Sci	▶ Gating mechanism of mechanosensitive channels	Nomura, Takeshi, Hse

### Plant cell biology

▶ Protista motility and plant cytoskeleton	Sonobe, Seiji, Sci	▶ The study for analysis of change of the inner structure of seeds during germination	Yamauchi, Daisuke, Sci
▶ Synthesis of useful biopolymers	Nakai, Tomonori, Sci	▶ Cell topology and mechanism of cytokinesis	Mineyuki, Yoshinobu, Sci
▶ Cell motility and the cytoskeleton	Yokota, Etsuo, Sci		
▶ Investigation on and application of photosynthetic function of microalgae	Kashino, Yasuhiro, Sci		

### Animal cell biology

▶ Mechanism of genomic control during the cell cycle	Shiomi, Yasushi, Sci	▶ Organelle autoregulation (chondroitin sulfate)	Yoshida, Hiderou, Sasaki, Kanae, Sci
▶ Cell cycle control for the maintenance of genetic information	Nishitani, Hideo, Sci	▶ Cellular functions of small GTPases	Oinuma, Izumi, Sci
▶ Molecular mechanism for regulating chromatin structure and gene expression	Hirose, Fumiko, Sci	▶ Mechanism of genome maintenance by proteolysis system	Hayashi, Akiyo, Sci
▶ Biogenesis of membrane in the cell	Sakaguchi, Masao, Emi, Yoshikazu, Sci	▶ Molecular mechanism of the mammalian Golgi stress response	Sasaki, Kanae, Sci
		▶ Mechanism of protein conformation	Fujita, Hidenobu, Sci

### Neuroscience and developmental biology

▶ Planarian regeneration	Umezono, Yoshihiko, Sci	▶ Structural physiology of the neural signaling by electron microscopy	Miyazawa, Atsuo, Sci
▶ Functional analysis of Ciona larval neural circuit	Nakagawa, Masashi, Sci	▶ Differentiation of germline stem cells in planarian	Orii, Hidefumi, Sci
▶ Development and regeneration of vertebrates' enteric nervous system	Nikaido, Masataka, Sci	▶ Study of regeneration and stem cells using frog tadpole	Mochii, Makoto, Sci
▶ Optogenetics: Development and function of the brain and the gut	Hatta, Kouhei, Sci	▶ Structure and function analysis of synapses	Nishino, Yuri, Sci

### Biomaterial chemistry

▶ Development of electrochemical DNA sensors	Yamana, Kazushige, Eng	▶ Biomimetic Chemical Sensors and Biosensors by using Membrane Receptors	Suzuki, Masato, Sci
▶ Development of rapid, simple and sensitive biosensing systems	Yasukawa, Tomoyuki, Matsubara, Norio, Sci		

### Other

▶ Analyses of non-coding RNA dynamics in eukaryotic cells	Yoshihisa, Tohru, Sci
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## Frontier

### Earth, Space

▶ Impact assessment of climate change, assessment of urban heat island and possible adaptations	Oku, Yuichiro, Hse	▶ Vertebrate fossils of Hyogo prefecture	Ikeeda, Tadaihiro, Nes
▶ Metamorphic petrology	Goto, Atsushi, Sci	▶ Origin of elements in the universe	Honda, Satoshi, Nes
▶ Highly accurate simulation of clouds and precipitation using the super-droplet method	Shima, Shin-ichiro, Sim	▶ Geophysical exploration for Earth's resources, disaster and environment	Goto, Tada-nori, Sci
▶ Vertebrate fossils of Hyogo prefecture	Saegusa, Haruo, Nes	▶ Geoscience and culture	Kawamura, Norihito, Rrm
▶ Observational study of star and planet forming regions	Ito, Yoichi, Nes	▶ Investigation of volcanic eruption based on the rock texture	Sano, Kyohei, Rrm
▶ Mechanism of natural disaster and construction of society of disaster reduction	Morinaga, Hayao, Drg	▶ Trans-boundary Volcanic Disaster and Governance	Sakamoto, Mayumi, Drg

### Mathematical sciences

▶ Spectral theory of Schrödinger operators	Nomura, Yuji, Sci	▶ Applications of real analysis to partial differential equations	Hoshiro, Toshihiko, Sci
▶ Inverse problems in partial differential equations	Nagayasu, Sei, Sci	▶ Number theory	Yamauchi, Atsuo, Sci
▶ Probability theory	Hirano, Katsuhiko, Sci	▶ Differential geometry and variational problems of curves	Kawakubo, Satoshi, Sci
▶ On the geometric structure of projective embeddings of projective varieties	Usa, Takeshi, Sci	▶ Differential geometry of surfaces, conformal maps	Moriya, Katsuhiko, Sci

## Environment

### Conservation of ecosystem

▶ Forest biology and environment	Ohashi, Mizue, Hse	▶ Assessment and management of invasive alien mammal species	Kuriyama, Takeo, Nes
▶ Simulation for ecology and environment	Nakagiri, Nariyuki, Hse	▶ Environmental DNA methods for estimating the distribution and abundance of aquatic organisms	Doi, Hideyuki, Sim
▶ Reintroduction of the oriental white stork in coexistence with humans	Ohsako, Yoshito, Rrm	▶ Wildlife population dynamics, plant-animal interactions	Takagi, Shun, Nes
▶ Environmental assessment and identification of bryophytes and fungi	Akiyama, Hiroyuki, Nes	▶ Conservation and restoration of endangered species based on genetic information	Nakahama, Naoyuki, Nes
▶ Biodiversity in forest ecosystems and its conservation	Ishida, Hiroaki, Nes	▶ Reintroduction biology including the oriental white stork restoration	Deguchi, Tomohiro, Rrm
▶ Systematics and biogeography of reptiles and amhibians	Ota, Hidetoshi, Nes	▶ Water quality and Greenhouse Gas dynamics in various environments	Itoh, Masayuki, Hse
▶ Freshwater algal diversity and evaluation of water environments	Sato, Hiroshi, Nes	▶ High performance and low energy consumption filtration, concentration, Water treatment technology	Satone, Hiroshi, Eng
▶ Genetic dversity of endangered plants	Suzuki, Takeshi, Nes	▶ Larval ecology of marine invertebrates	Yorisue, Takefumi, Nes
▶ Ecology and taxonomy of fishes	Takahashi, Tetsumi, Nes		
▶ Ecosystem management in wetland and river	Mitsuhashi, Hiromune, Nes		
▶ Conservation of wildlife , reduction of conflict between humans and wildlife	Morimitsu, Yoshiki, Nes		
▶ Wildlife management and conservation	Yokoyama, Mayumi, Nes		

### Environmental cleanup

▶ Environmental purification using useful microorganisms (biodegradation & bioremediation)	Takeo, Masahiro, Eng	▶ Development of functional adsorbents and effective utilization of waste materials	Nishioka, Hiroshi, Eng
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### Environmental conservation

▶ Global science for engineers and scientists	Ouchi, Mikio, Ge	▶ Geodiversity, conservation and utilization of geological resources	Matsubara, Noritaka, Rrm
▶ Study on the urban greenery and overseas afforestation	Oyabu, Takashi, Ldm	▶ Vegetation conservation and management	Kuroda, Asumo, Nes
▶ Conservation of natural and seminatural grasslands	Sawada, Yoshihiro, Ldm	▶ Conservation of forest and its soil ecology	Kodate, Seiji, Nes
▶ Conservation of vegetation landscape	Fujiyama, Michiro, Ldm	▶ Research and development of new repellency to fire nts, Solenopsis invicta, using microencapsulated allyl isothiocyanate	Hashimoto, Yoshiaki, Nes
▶ Development of teaching materials for environment education	Takeyama, Hiroshi, Ldm	▶ Forest management and habitat management for wildlife	Fujiki, Daisuke, Nes
▶ Evaluation method of green landscape	Yamamoto, Satoshi, Ldm	▶ Utilization of plants in ornamental horticulture	Tabuchi, Miyako, Ldm
▶ Development technology in horticulture and its utilization	Fudano, Takashi, Ldm	▶ Biodiversity of terrestrial arthropods	Yamasaki, Takeshi, Nes
▶ Urban landscape planning and conservation	Iwasaki, Tetsuya, Ldm		
▶ Aquatic habitat conservation and restoration	Sagawa, Shiro, Rrm		
▶ Conservation of threatened plants and animals	Naito, Kazuaki, Rrm		

## Life science

### Medical diagnosis

▶ Computer-aided system for treatments for ophthalmology and internal medicine	Kamiura, Naotake, Eng	▶ Calculation and direct measuremetns of joint reaction forces	Higa, Masaru, Eng
▶ Artificial Intelligence in Medical and Healthcare Systems	Kobashi, Syoji, Eng	▶ Medical, non-destructive testing, and health care systems	Hata, Yutaka, Sim
▶ Development of electrochemical and photochemical sensors for disease diagnosis	Takada, Tadao, Eng	▶ Micro chemical system for POCT and environmental analysis	Utsumi, Yuichi, Ast
		▶ Medical control systems, modeling of physiological functions	Furutani, Eiko, Eng

### Food and health

▶ Bioavailability and bioactivity of functional food components.	Ishisaka, Akari, Hse	▶ Phisical properties ,palatability and chewability of Food	Yoshimura, Miki, Hse
▶ Research of clinical nutrition	Ito, Mikiko, Hse	▶ Application of chrono-nutrition to the clinical and health care fields	Nagai, Narumi, Hse
▶ Oxidative stress and diseases: modulation by food components	Kato, Yoji, Hse	▶ Research of food microbiologies and food pathogens	Arimitsu, Hideyuki, Hse
▶ The study of food mutagens and antimutagens	Kimura, Sachiko, Hse	▶ The role of vitamin in reproduction and embryonic development	Sawamura, Hiromi, Hse
▶ Study on cooking properties and dietary habit	Sakamoto, Kaoru, Hse	▶ Association between diet/eating behaviors and health	Nakade, Makiko, Hse
▶ Analysis of interaction between lipid metabolism and nutrients	Tanaka, Sarasa, Hse	▶ Molecular science of nutrional iron dynamics	Sawai, Hitomi, Sci
▶ Basic and applied study on cooking	Morii, Saeko, Hse	▶ Study on the physiological function of dietary fiber	Shimada, Ryoko, Hse
▶ Mechanisms underlying physiological functions and side-effects of food factors	Murakami, Akira, Hse		

### Humancare

▶ Computer aided nursing-care quality improvement system	Nii, Manabu, Eng	▶ Child health nursing and self-care	Katsuda, Hitomi, Nas
▶ How to build successful societies of longer lives	Uchida, Hayato, Hse	▶ Hand hygiene and infection control nursing	Kayano, Tomonori, Nas
▶ Care for breastfeeding mothers	Aizawa, Chie, Nas	▶ Women's health and perinatal nursing care	Nomachi, Shinobu, Nas
▶ Regional healthcare collaboration, Disaster resilient home care	Ohno, Kaori, Nas	▶ The nursing care for the people from other cultural backgrounds	Takemura, Kazuko, Nas
▶ Prediction and prevention of postoperative delirium	Ono, Hiroshi, Nas	▶ Nursing foe hematopoietic stem cell transplant patients, nursing for AYA generation cancer patients	Wakiguchi, Yuki, Nas
▶ Support for child-rearing women	Okamura, Kazuko, Nas	▶ Caring for a families grief with perinatal bereavement	Endo, Yuko, Nas
▶ Investigate to practical intelligence of expert nurse	Konishi, Miwako, Nas	▶ Family nursing for children with chronic condition and their families, Family nursing education using e-learning	Honda, Junko, Nas
▶ Symptom management for cancer patients	Uchinuno, Atsuko, Nas	▶ Nursing of home care	Yasuda, Atsuko, Nas
▶ Development of shared decision support program for cancer patients	Kawasaki, Yuko, Nas	▶ Promotion of community life for elderly	Muto, Yuh, Nas
▶ Women's health care	Kudo, Yoshiko, Nas	▶ Women's health and perinatal nursing care	Kawamura, Mayuka, Nas
▶ Oral health promotion	Sakashita, Reiko, Nas	▶ Care about the health of mothers and children	Fukumoto, Tamaki, Nas
▶ Nursing care for elderly people with dmeneita and family caregivers	Takami, Miho, Nas	▶ Self-management of health in home settings	Omura, Kayoko, Nas
▶ Education and nursing care on sleep	Tanida, Keiko, Nas	▶ Information and support needs regarding sexuality to young women with breast cancer	Nishio, Satoko, Nas
▶ Care for person living with dementia	Nakasuji, Yoshiko, Nas	▶ Development of nursing education program involving invasive mechanical ventilation	Taukuda, Makoto, Nas
▶ Self-management in chronic pulmonary disease patient	Mori, Kikuko, Nas	▶ Nursing for hematopoietic stem cell transplant	Kiyohara, Hana, Nas
▶ Nursing for the prevention of diabetes and PAD	Kataoka, Chiaki, Nas		
▶ Self care in pediatric organ transplantation	Takeuchi, Sachi, Nas		
▶ Study on lifestyle-related diseases	Joho, Tamaki, Nas		

### Healthcare

▶ Elucidation of the pathophysiology of type 2 diabetes and development of diabetes self-management education	Sakaue, Motoyoshi, Hse	▶ Disaster risk managemento for health & nursing management system	Mashino, Sonoe, Npc
▶ Thermal barrier free in urban and building environments	Tsuchikawa, Tadaihiro, Hse	▶ Psychological care after disaster and disaster education	Tominaga, Yoshiki, Drg
▶ Study on human body movement in sports and life activities	Fukuda, Koji, Hse	▶ Nursing informatics	Takami, Miki, Ai
▶ Knowledge extraction from medical data	Takemura, Tadamasa, Ins	▶ Development of efficient training programs for health promotion and physical fitness improvement	Mori, Hisashi, Hse
▶ Assessment of psychosomatic state related to brain function and autonomic nervous system	Mizuno-Matsumoto, Yuko, Ins	▶ Continuous support for children and parents with a disease	Yamaguchi, Tomoko, Nas
▶ Computational heart modeling, Biomedical simulation	Haraguchi, Ryo, Ins	▶ Electronic medical records and nursing functions	Nakanishi, Eiko, Nas
▶ Supports for people with mental health problems and their families	Kawada, Miwa, Nas	▶ Supports for people with mental health problems and their families, Education for psychiatric nurses	Nishiike, Eiko, Nas
▶ Exercise science for human health	Shibata, Masashi, Nas	▶ Nursing management in hospitals	Watanabe, Rika, Nas
▶ Mental disorders and sleep	Takenouchi, Rei, Nas	▶ Nursing care for dysphagia of patient with cerebrovas- cular disorder	Awamura, Kenji, Nas
▶ Nursing care for prevention of cardiovascular disease recurrence	Hamaue, Akiko, Nas	▶ Study on relationships of environmental and genetic factors with lifestyle-related diseases	Uemura, Hirokazu, Nas
▶ Continuing education of nurses in mid-career	Hatanaka, Yasuko, Nas	▶ Medical/Social care financial management	Kinoshita, Takashi, Mba
▶ Development of a scale measuring the job satisfaction of Japanese hospital nurses	Muya, Makiko, Nas	▶ Healthcare support for the visually impaired	Yamaoka, Chizuru, Nas
▶ Horticultural therapy: end-of-life care, mental health care	Kaneko, Midori, Ldm	▶ Developing parent training program for foster parents and adoptive parents of children with developmental disorder	Furukawa, Emi, Nas
▶ The effects in brain and health given by green environment and gardening	Toyoda, Masahiro, Ldm		

## Social infrastructure

### Social infrastructure

▶ Building plan in stock based society	Yasueda, Hidetoshi, Hse	▶ Rural planning & management of agricultural damage by wildlife	Naoto, Yamabata, Nes
▶ Residential planning and design	Utaka, Yushi, Hse	▶ Social determinatns of mental health	Umeda, Maki, Npc
▶ Clarifying disaster process using psychological and social survey method	Kimura, Reo, Hse	▶ Health promotion and technology in community	Hayashi, Chisato, Npc
▶ Life support for the elderly living in the community	Tanaka, Tomoko, Hse	▶ Gender equality for disaster recovery,Health crisis management,Disaster prevention education	Hanai, Eiko, Nas
▶ Theory of architecture	Mitamura, Tetsuya, Hse	▶ City planning systems and practices for sustainable urban development	Ota, Naotaka, Hse
▶ Rural resource management and utilization	Miyake, Yasunari, Hse	▶ Detailed Simulation of Entire Building	Mizushima, Yasunori, Hse
▶ Planning of space compositions in houses	Mizukami, Yutaka, Hse	▶ Management of social consensus building	Takada, Tomoki, Nes
▶ Health emergency management and health care system	Ushio, Yuko, Nas		
▶ Study on education for disaster mitigation, health promotion and medical technology assessment	Katayama, Takafumi, Nas		
▶ Databased spatial analysis and visual presentation of spatial phenominonon	Kawamukai, Hajime, Ins		
▶ Theory and application of decision making under uncertainty	Entani, Tomoe, Ins		
▶ Design of building structures for safety and security	Nagano, Yasuyuki, Ins		
▶ Simulation studies for analysis and application of socio-economic big data	Fujiwara, Yoshi, Ins		
▶ Landscape design	Shen, Yue, Ldm		
▶ Urban landscape planning	Hirata, Fujio, Ldm		
▶ Building disaster information system for enhance of regional disaster reduction	Urakawa, Go, Drg		
▶ Urban and regional management for disaster resilience	Banba, Michiko, Drg		
▶ Urban resilience and disaster management	Beniya, Shohei, Drg		



Awaji Campus for Landscape Design



## Regional vitalization

▶ Regional revitalization utilizing art and culture	Takeda, Naoki, Ldm	▶ Public facility management assistance of resident participation type	Fujimoto, Mari, Nes
▶ Regional activation with greenery and history or culture	Hayashi, Mayumi, Ldm	▶ Process planning for disaster revival	Sawada, Masahiro, Drg
▶ Inclusive design for parks and outdoor recreation	Mino, Nobuyuki, Ldm	▶ Community planning for disaster risk reduction and build back better	Murosaki, Yoshiteru, Drg
▶ Preservation and management of cultural heritage in regional society	Nakai, Atsushi, Rrm	▶ Support policy for disaster affected victims	Aota, Ryosuke, Drg
▶ Neighborhood organization and community	Yamamuro, Atsushi, Rrm	▶ Study on endogeneous disaster recovery	Miyamoto, Takumi, Drg
▶ Planning of regional livelihood space in village and provincial city	Kikuchi, Yoshihiro, Rrm	▶ Regional project development for taking over regional communityship	Uchihira, Takayuki, Ccr
▶ Landscape planning and regional management by multi-sectoral governance	Akazawa, Hiroki, Nes	▶ Planning and management of landscape utilizing local resources	Ohira, Kazuhiro, Nes

# Business

## Greeting

Misaki Hideo Director of Business support center



University of Hyogo has not only researchers in Business such as strategy, human resource management, accounting, marketing and small business, but also economics, finance, law, information, statistics, data science, environment, health, society and culture. We would like you to know various researches of the University of Hyogo through the Researchers Map (Business), and put this Map to practical use for industry-academia collaboration.

### School & Institute

Em: Economics and Management  
Sis: Social Information Science  
Ss: Social Science\*  
Pas: Policy Analysis and Social Innovation  
Hse: Human Science and Environment  
Nas: Nursing Art and Science  
Ins: Information Science\*  
Ccr: Creative Cities and Regions  
Rpc: Research Promotion and Collaboration  
Drg: Disaster Resilience and Governance  
Ge: General Education  
\*These Graduate Schools are scheduled to launch in April 2021.

## Economic theory, Econometrics

▶ Macroeconomics; Growth, technology and income distribution	Osumi, Yasuyuki, Pas	▶ Theoretical analysis on regression model in econometrics	Kurumai, Hiroko, Em
▶ Economic growth theory	Kuwahara, Shiro, Em	▶ Macroeconomic theory on demographic change, human capital accumulation and public policy	Hashimoto, Hioroyuki, Ss
▶ Macroeconomics, Housing and monetary policy	Nguyen, Quoc-Hung, Em		
▶ Time series analysis	Yamaguchi, Keiko, Em		

## Economic history, History of economic thought

▶ History of economic thought	Matsuyama, Naoki, Em	▶ Economic history, Immigration history of Britain	Saito, Shotaro, Em
▶ Asian economic history, Studies of Chinese overseas, History of Sino-Japanese relations	Chen, Laixing, Em	▶ Japanese and Asian Economic history, Development of the sugar industry	Osawa, Atsushi, Em

## Finance

▶ International monetary economics	Ito, Kunihiko, Em	▶ Empirical research in monetary economics	Yamada, Kazuo, Em
▶ Banking business and payment systems	Yoshida, Yasushi, Em	▶ Finance, Financial engineering	Ochiai, Natsumi, Em

## International economics, Development economics

▶ International economics, Theory of economic integration and growth	Ishiguro, Yasuko, Em	▶ Development economics, The political economy of power sector reform in India	Fukumi, Atsushi, Em
▶ International economics	Nishiyama, Hiroyuki, Pas	▶ Microeconomics, Entrepreneurship, Innovation, Southeast Asian economy	Vixathap, Souksavanh, Em
▶ Economic development with reference to Japan and East Asia	Hagiwara, Hiroko, Em		

## Public economics, Industrial organization, Social policy, Labor economics

▶ Health economics, Quantitative analysis of social policies	Kan, Mari, Em	▶ Analyses of knowledge creativity based on large-scale data and network science	Inoue, Hiroyasu, Ins
▶ Comparative study of enterprise forms	Mikami, Kazuhiko, Em	▶ Simulation analysis of fiscal and social security policy	Kimura, Shin, Ins
▶ Economic theory of incomplete competition and incomplete information	Mizuno, Toshihide, Em	▶ Behavioral Economic Analysis Using Real and Experimental Data on the Labor Market	Kurokawa, Hirofumi, Em
▶ Economics of decision making under uncertainty	Shimizu, Takanori, Acc		
▶ Empirical research on the labor market and the social security system in Japan	Yokoyama, Yukiko, Em		

## Regional economics, Environmental economics

▶ Transport economics and urban economics	Koyama, Shinya, Em		
▶ Theory and empirical analysis of regional economics and environment	Tomono, Akihiko, Em		
▶ Environmental and natural resource economics	Niizawa, Hidenori, Em		
▶ Cost-benefit analysis of climate change strategies by environmental-economic model	Nakajima, Kazunori, Hse		



Kounotori (Stork)

## Law

▶ International investment law, Vietnamese law	Iwase, Maomi, Em	▶ Tax law ,Tax conflict	Sawada, Tadashi, Acc
▶ Economic administrative law and energy law	Kusanagi, Shinichi, Em	▶ Corporation Law and Securities Law	Shimonaka, Kazuto, Em
▶ Tax law	Hamada, Hiroshi, Em		

## International culture and communication

▶ Studies of modern Europe, French literature and thoughts	Kinoshita, Makoto, Em	▶ Studies on the literature and the culture in the German-speaking areas, esp. in Vienna	Kotani, Kazuo, Hse
▶ Contrastive linguistics, English education	Kinshi, Kayoko, Em	▶ Media discourse analysis, Language and communication education	Kasuya, Michiko, Hse
▶ English stylistics, Corpus stylistics, Language and communication	Sera, Haruko, Em	▶ Study of prose fiction, stylistics, and English education	Teranishi, Masayuki, Hse
▶ Use of TOEIC scores by schools, Waldorf education, English teaching practices	Bresnihan, Brian, Em	▶ English linguistics	Tomoshige, Yoshinori, Hse
▶ Language and cultural education, Identity studies	Suehiro, Miki, Em	▶ Studies of culture and representation	Motoda, Yoichi, Hse
▶ Transnationalism, History of Chinese in the Americas and global history	Sonoda, Setsuko, Em	▶ English literature and culture, comparative literature, English teaching	Otagaki, Yuko, Nas
▶ Japanese fashion culture in contemporary global era	Onohara, Noriko, Em	▶ Cultural anthropology, Pacific Rim culture, Cross-cultural understanding	Fukagawa, Hiroki, Hse
▶ English Literature, man and nature in shakespeare's plays	Higashi, Tsutomu, Hse	▶ Cultural anthropology, with a focus on Japanese culture and Japanese festivals	Tamas, Carmen, Em
▶ English literature and culture, Modern Japanese history, History of science	Ishikura, Waka, Hse	▶ Fieldwork-based study of language and communication	Kimoto, Yukinori, Hse
▶ Multicultural education, education in developing countries	Inui, Miki, Hse	▶ Social anthropology of food, consumption, gender and employment	Stephanie, Assmann-Terada, Em

## Education, Psychology, History of thought, Sociology

▶ NPO/NGO research, Comparative education, Educational anthropology	Notsu, Takashi, Em	▶ Pedagogy, Education policy, Education system	Ozaki, Kimiko, Hse
▶ Applied cognitive psychology, Educational psychology	Ishida, Megumu, Em	▶ Educational and professional career of Japanese people, Curriculum	Ikedo, Masanori, Nas
▶ Japanese intellectual history of cross-border national identity	Hoshiyama, Kyoko, Em	▶ Management of chronic pain with cognitive-behavioral therapy, Psychosomatic medicine	Kim, Woesook, Nas
▶ Early childhood education and care	Ashida, Hiroshi, Hse	▶ Ancient and Medieval Philosophy, Ethics, and Philosophy of Religion	Nishimura, Yohei, Hse
▶ Clinical Psychology, Analytical Psychology, Psychotherapy Practice and Research	Inoue, Yasuko, Hse	▶ International and Comparative Education	Deng, Xiu, Hse
▶ School guidance (support for children with various needs)	Takeuchi, Kazuo, Hse	▶ Phenomenology as a Qualitative Research	Kihira, Tomoki, Nas
▶ Narrative Identity Research on Friendship	Hosaka, Yuko, Hse	▶ English education, Sociocultural theory	Mark, Taylor, Ge

## Environment, Biology

▶ Environmental education	Nishikawa, Shoko, Ss	▶ Conservation of ecosystem	Itoh, Masayuki, Hse
▶ Utilization of microbial resource	Enokibara, Shogo, Em		

## Information Science

▶ Safety of information systems, Multiagent systems	Kiniwa, Jun, Sis	▶ Design and analysis of efficient algorithms and their limits	Tamaki, Suguru, Sis
▶ Analysis on governmental statistical data, Database construction	Furuzumi, Hiroki, Sis	▶ Machine learning, behavior analysis, interaction/-time-series modeling	Kawashima, Hiroaki, Sis
▶ Web-based contents for people with disabilities	Inokura, Norihisa, Em	▶ Information Retrieval for Big Data	Yamamoto, Takehiro, Sis
▶ Constructing algorithmic foundations towards real-world applications	Higashikawa, Yuya, Sis	▶ Coding Theory and its Applications	Takita, Makoto, Sis
▶ Basic theory of computer science	Katoh, Naoki, Sis	▶ Empirical study on the measurement and dynamic variation factors of the financial market instability	Iwamoto, Nana, Sis
▶ Ontology Engineering and its Applications	Sasajima, Munehiko, Sis	▶ Analysis of marketing data	Ishibashi, Ken, Sis
▶ Theory of Algorithms: Satisfiability Problems, Network Algorithms, Mathematical Puzzles	Teruyama, Junichi, Sis		

## Health and sports science

▶ Health and sport sciences	Ikarugi, Hideo, Em	▶ Sport sociology	Tohi, Takashi, Em
▶ Sport sociology, Sports promotion policy, Regional revitalization through sports	Ito, Katsuhiro, Em	▶ Sport management: Consumer behavior in sport industry	Matsumura, Koki, Em



## Healthcare management

▶ Healthcare management	Koyama, Hideo, Ss	▶ Valuation of finance and productivity in health, Social care organizations in private sector	Toribe, Shinji, Ss
▶ Research on health/social care management and Community-based integrated care system	Tsutsui, Takako, Ss		

## Mathmatics, Statistics

▶ Primitivity and semiprimitivity of group algebras of infinite groups	Nishinaka, Tsunekazu, Em	▶ Characterization of finite state automata in view of the general systems theory	Matsumoto, Toshitami, Em
		▶ Statistical inference for singular models	Moritani, Yoshiya, Em

## Small & medium enterprises and regional innovation

▶ Globalization of knowledge intensive business services; Industrial clustering strategy, Business model innovation of community enterprise	Nishii, Shingo, Ss	▶ Theoretical and empirical research for the tourism industry	Eguchi, Yoshiaki, Hse
▶ Management of small and medium-sized enterprises	Fujikawa, Takeshi, Em	▶ Socio-economic geography and regional community	Sugiyama, Takeshi, Hse
▶ Study on evaluation of urban competitiveness	Ochi, Masashi, Ccr	▶ Study on regional economics and policy	Kato, Yoshimasa, Drg
▶ Research on the organization management associated with industry-academia collaboration work	Kotera, Michiaki, Ss	▶ Urban policy, urban regeneration, economic geography	Wada, Mariko, Em
▶ Study on strategy and technique for city promotion	Iseki, Takahiro, Hse	▶ Theory and practice of social innovation	Hata, Masao, Ccr
		▶ Welfare sociology	Takebata, Hiroshi, Hse
		▶ Study on policy of SMEs and innovation	Yajima, Satoshi, Ss

## Distributive trade, Commerce, Marketing

▶ Services marketing & management	Ikeda, Atsushi, Em	▶ Marketing for SMEs (Small and Medium-sized Enterprises) and entrepreneurs	Komiya, Kazutaka, Em
▶ Revitalization of local commerce, dereguration effect on distribution system	Kamise, Shoji, Em	▶ Consumer perception and behavior, Psychology-based marketing, Tourism issues	Binh, NghiêM-Phú, Em
▶ Research on consumer choice in insurance and its influential elements	Tanaka, Takashi, Em		
▶ Marketing strategy and interorganizational relationships	Akiyama, Shuichi, Ss		

## Strategic management, Global business

▶ Strategy and organization for technological and social innovation	Toma, Katsuo, Pas	▶ International business and strategy	Uchida, Yasuro, Ss
▶ Internationalization strategy and capability building of emerging market multinational enterprises	Gong, Yuanyuan, Em	▶ Japanese manufacturing management	Nagasato, Kenji, Em
▶ Profit based business model innovation	Kawakami, Masanao, Em	▶ Community business, Nonprofit organizations, Inter organizational relations, Social enterprise, Tourism	Nakao, Koichi, Em
▶ International management	Yamaguchi, Takahide, Em	▶ Psychology of entrepreneurship, International entrepreneurship, Organizational behavior and entrepreneurial orientation	Khalid, Saddam, Em
▶ Research on global competitive advantage of manufacturing	Nagano, Hiroyuki, Rpe		

## Organizational management

▶ Organizational justice and telework ; Working at home	Kano, Ikuya, Em	▶ The new financial statement structure in evaluating the business activities of the firm	Yasuda, Yoshiro, Em
▶ Creative organization, organizational justice	Misaki, Hideo, Em	▶ Empirical study on retention management of care-giving workers	Takashina, Toshinori, Em

## Management sciences

▶ Methodologies for risk analysis based on Bayesian theories	Kaise, Toru, Ss	▶ Coordination of organizations in introducing information systems	Nishide, Akihito, Sis
▶ Mathematical optimization: Integer programming and combinatorial optimization	Fujie, Tetsuya, Sis		

## Financial accounting

▶ Accounting standard-setting process	Tsujikawa, Naoki, Em	▶ Research and development of financial diagnostic system for small and medium enterprises and non-profit organizations	Urayama, Takeshi, Em
▶ Cash flow accounting	Tsuchida, Toshiya, Ss		
▶ Auditing , Assurance engagement	Watanabe, Yasuhiro, Ss	▶ The preparation of financial statements and liabilities—the information effects	Masumura, Noriko, Ss
▶ Aligning accounting information systems with business strategy	Hayashi, Masahiko, Ss	▶ Globalization of accounting standards	Inoue, Sadako, Ss

## Management accounting

▶ Environmental change and budgeting	Fukuda, Naoki, Ss	▶ Pure holding company	Yori, Makoto, Ss
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## Public sector accounting, Not-for-profit organizations accounting

▶ Applying business accounting theory in the governmental field	Tsuduki, Yoichiro, Em	▶ Accounting system and performance measurement on public sector	Kawarada, Saki, Ss
▶ Accounting information of not-for-profit organizations	Hyodo, Wakako, Em		

# University of Hyogo, Campus Map

### Institute of Natural and Environmental Sciences (Astronomy and Astrophysics Division)

407-2, Nishigaichi, Sayo-cho, Sayo, Hyogo, 679-5313  
TEL.0790(82)3886

### Harima Campus for Science (School of Science, Graduate School of Science\*)

3-2-1, Koto, Kamigori-cho, Ako-gun, Hyogo, 678-1297  
TEL.0791 (58)0101

### Laboratory of Advanced Science and Technology for Industry

3-1-2 Koto, Kamigori-cho, Ako-gun, Hyogo, 678-1205  
TEL.0791 (58)0249

### High School and Junior High School of University of Hyogo

3-11-1 Koto, Kamigori-cho, Ako-gun, Hyogo, 678-1205  
High School TEL.0791 (58)0722  
Junior High School TEL.0791 (58)0735

### Himeji Campus for Engineering (School of Engineering, Graduate School of Engineering School of Science, Shosha)

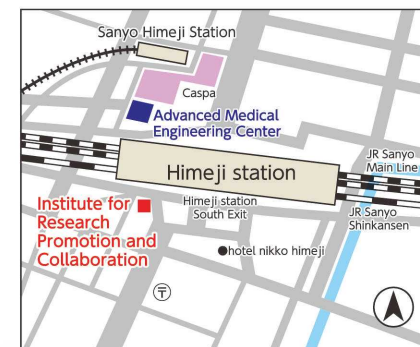
2167, Shosha, Himeji, Hyogo, 671-2280  
TEL.079(266)1661

### Himeji Campus for Human Science (School of Human Science and Envrionment, Graduate School of Human Science and Envrionment)

1-1-12, Shinzaike-honcho, Himeji, Hyogo, 670-0092  
TEL.079(292)1515

### Institute for Research Promotion and Collaboration

Jibasanbiru 3F, 123, Minami-ekimae-cho, Himeji, Hyogo, 670-0962  
TEL.079(283)4560



### Toyooka Geo & Kounotori Campus (Graduate School of Regional Resources Management, Institute of Natural and Environmental Sciences (Regional Resources Management Division)

128, Ninotani, Syounji, Toyooka, Hyogo, 668-0814  
TEL.0796(34)6079

### Institute of Natural and Environmental Sciences(Forest & Wildlife Division)

940, Sawano, Aogaki-cho, Hyogo, 669-3842  
TEL.0795(80)5500

### Institute of Natural and Environmental Sciences(Nature and Environment Division)

6, Yayoigaoka, Sanda, Hyogo, 669-1546  
TEL.079(559)2001

### Kobe Campus for Commerce (Headquarter, School of Economics and Management, School of Social Information Science, Graduate School of Social Science\*,)

8-2-1, Gakuennishi-machi, Nishi-ku, Kobe, Hyogo, 651-2197  
TEL.078(794)5184

### Institute for Policy Analysis and Social Innovation

8-2-1, Gakuennishi-machi, Nishi-ku, Kobe, Hyogo, 651-2198  
TEL.078(794)5302

### Kobe Campus for Disaster Resilience (Graduate School of Disaster Resilience and Governance)

Eastt Building, Disaster Prevention and Human Renovation Institution  
1-5-2, Kaigan-dori, Wakinohama, Chuo-ku, Kobe, Hyogo 651-0073  
TEL.078(891)7376

### Kobe Campus for Informatics (Graduate School of Informatics\*)

7-1-28, Minatojima-minamimachi, Chuo-ku, Kobe, Hyogo, 650-0047  
TEL.078(303)1901

### Akashi Campus for Nursing Art and Science (College of Nursing Art and Science, Graduate School of Nursing Art and Science)

13-71, Kitaoji-cho, Akashi, Hyogo, 673-8588  
TEL.078(925)0860

### Research Institute of Nursing Care for People and Community

13-71, Kitaoji-cho, Akashi, Hyogo, 673-8589  
TEL.078(925)9605

### Awaji Campus for Landscape Design (Graduate School of Landscape Design and Management, Institute of Natural and Environmental Sciences (Landscape and Horticulture Division)

954-2, Tokiwa-dai, Nojima, Awaji, Hyogo, 656-1726  
TEL.0799(82)3131

※These Graduate Schools are scheduled to launch in April 2021