## Field of Education-Research, Supervisor and Research Theme in Later Stage of Doctoral Program

① Department of Mechanical and Aerospace Engineering

Course	Fie	eld of Education-Research	Supervisor Place to Contact	Research Theme
Mechanical Engineering	Materials and Mechanics	Solid Mechanics  Materials Science and Engineering	<ul> <li>○ OBATA, Yoshihiro         0857-31-5188         y-obata@mech.tottori-u.ac.jp         IWASA, Takashi         0857-31-5720         iwasa@mech.tottori-u.ac.jp     </li> <li>○ CHEN, Zhongchun         0857-31-5707         chen@mech.tottori-u.ac.jp     </li> <li>ONDA, Tetsuhiko         0857-31-6786         onda@mech.tottori-u.ac.jp</li> </ul>	<ul> <li>Study on thermal stresses and related topics</li> <li>Study on tactile warmth between human body and materials</li> <li>Study on thermo property of woody materials</li> <li>Study on mechanical characteristic of flexible space structures</li> <li>Study on analysis method for membrane structures</li> <li>Fabrication and characterization of thermoelectric materials</li> <li>In-situ synthesis and multiple toughening of ceramic-matrix composites</li> <li>Fabrication of aluminum-matrix composites with high performance</li> <li>Development of influenza antiviral ceramic materials</li> <li>Surface modification of die steels by electron beam irradiation</li> <li>Martensitic transformation of zirconia and its application to transformation</li> </ul>
	Design and Manufacturing	Reliability and Design Engineering  Precision and Production Engineering	<ul> <li>○ ONO, Yuichi         0857-31-5193         ono@mech.tottori-u.ac.jp</li> <li>○ SATO, Masahiko         0857-31-5195         sato@mech.tottori-u.ac.jp</li> <li>MATSUNO, Takashi         0857-31-5196         matsu@mech.tottori-u.ac.jp</li> </ul>	toughening of engineering ceramics  Study on fatigue damage evaluation of metals Study on experimental stress analysis Study on improving strength of gear  High precision and high efficient machining of difficult-to-cut materials Monitoring and control of machining processes Numerical analysis of sheared-surface properties Ductile fracture of metals
	Robotics and Mechatronics	Mechanical Dynamics and Mechatronics	© KOIDE, Takao 0857-31-5763 koide@mech.tottori-u.ac.jp TAMURA, Atsutaka 0857-31-6793 a-tamura@mech.tottori-u.ac.jp	<ul> <li>Study on vibration and noise of machines</li> <li>Development of abnormality detection method of machines</li> <li>Development of high performance gears</li> <li>Study on injury biomechanics</li> <li>Human body modeling and mechanical characterization of biological materials</li> </ul>
		Control and Robotics	○ NISHIDA, Shin-Ichiro 0857-31-5198 nishida@mech.tottori-u.ac.jp SAKURAMA, Kazunori 0857-31-5323 sakurama@mech.tottori-u.ac.jp	<ul> <li>Robots for hazardous environment</li> <li>Robots for inspection, diagnostic and healthcare</li> <li>Development of advanced air-vehicle</li> <li>Distributed control of power network</li> <li>Formation control of multiple robots</li> </ul>

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Course	]	Field of Education-Research	Supervisor Place to Contact	Research Theme
Mechanical		Thermal Energy		· Development of thermal protection system for space vehicles
Engineering		Engineering	0857-31-5202	· Ablation, radiation, and surface thermochemistry
	. 7		tsakai@mech.tottori-u.ac.jp	· Laser processing of composite materials
	The		ODA, Tetsuya	· Research on liquid fuel atomization and spray combustion
	rm		0857-31-5206	· Developments of spray measurement technique
	Thermo-Fluid Dynamics		odate@mech.tottori-u.ac.jp	Engine combustion analysis and emission reduction
	uid	Fluid Engineering	◎ KAWAZOE, Hiromitsu	· Aerodynamic analysis of a delta wing and a flight vehicle in unsteady
	Dy		0857-31-5205	motion and an object in flow field
	nar		kawazoe@mech.tottori-u.ac.jp	• Research on supersonic/hypersonic flow by experiments with a shock/arc
	nics		MATSUNO, Takashi	plasma tunnels
	0.2		0857-31-5204	· Study on material surface change by surface wave plasma
			matsuno@mech.tottori-u.ac.jp	· Active flow control using plasma actuators
				· Research of flow field by numerical simulations
Applied Mathematics		Nonlinear Dynamics/	◎ FUJIMURA, Kaoru	Nonlinear phenomena-modeling and weakly nonlinear analysis
and Physics		Continuum Mechanics	0857-31-5322	Stability, bifurcation, and pattern formation in fluid motions
			kaoru@damp.tottori-u.ac.jp	Wave phenomena in magnetized plasmas
			FURUKAWA, Masaru	Theory of singular perturbation
			0857-31-5731	
			furukawa@damp.tottori-u.ac.jp	
	Physical Mechanics	Computational Material	◎ ISHII, Akira	· Atomic and electronic structure catalysis for coupling reactions
		Science/	0857-31-5629	· Mathematical model for socio dynamics
		Computational Physics and	ishii@damp.tottori-u.ac.jp	• Ultra-large-scale electronic structure theory and nano-structure process
		Engineering	⊚ HOSHI, Takeo	· Algorithm design for large-freedom physical simulations (ex. krylova subspace
	har		0857-31-5630	theory, parallel computation, optimality-guaranteed algorithms)
	ics	77	hoshi@damp.tottori-u.ac.jp	
		Electronic structure	◎ KOTANI, Takao	• Methodological development of the first-principles electronic-structure
		calculation	0857-31-6741	calculations, especially, to include electronic correlations.
			tkotani@damp.tottori-u.ac.jp	• Reliable prediction of the fundamental physical properties for materials such as
				transition-metal compounds.
				<ul> <li>First principles study on atomic structure of materials.</li> <li>In particular, surface structures and phase transition of structures.</li> </ul>
				in particular, surface structures and phase transition of structures.

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Applied Mathematics		Nano Dynamics and	MATSUOKA, Hiroshige	· Research on molecular gas/liquid-film lubrication
and Physics		Tribology/	0857-31-5759	· Research on computational tribology
		Molecular Fluid Dynamics	hiro@damp.tottori-u.ac.jp	· Research on dynamics of information storage systems
			DOI, Toshiyuki	· Research on molecular interactions and surface interactions
	Ρł		0857-31-6766	· Ultra-high accuracy measurements of tribological phenomena
	Physical Engineering		doi@damp.tottori-u.ac.jp	• Research on rarefied gas flows
	cal	Bio and Fluid Mechanics/	© GOTO, Tomonobu	Micro-flow analysis, observation and numerical simulation
	Eng	Thermal and Energy System	0857-31-5199	· Collective and cellular level behavior of micro-organisms
	ine		goto@damp.tottori-u.ac.jp	· Aeroacoustics, sound generation mechanism and noise reduction
	eri.		NAKAI, Tonau	· Research and development of advanced technology of wind turbine
	gn		0857-31-5499	· Computational fluid dynamics of wind turbines
			nakai@damp.tottori-u.ac.jp	
			HARA, Yutaka	
			0857-31-6758	
			hara@damp.tottori-u.ac.jp	

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② Department of Information and Electronics

Course	Field of Education-Research	Supervisor Place to Contact	Research Theme
Information and Knowledge Engineering	Intelligent Control	<ul> <li></li></ul>	Advanced control of large scale process Optimum scheduling of manufacturing process Intelligent manufacturing by semantic Web Data oriented modeling and learning Control design of human power assist system Intelligent control for mobile robot Geographical information processing Optimization of transport systems Modeling and control of moving objects Stereo robot vision Optimum trajectory for flexible manipulator Integrated design of mechanism and control system for flexible multi-body system
	Computer Science and Technology	<ul> <li>SUGAHARA, Kazunori         0857-31-5218         sugahara@eecs.tottori-u.ac.jp</li> <li>KAWAMURA, Takao         0857-31-5217         kawamura@eecs.tottori-u.ac.jp         TAKAHASHI, Kenichi         0857-31-5811         takahashi@eecs.tottori-u.ac.jp</li> </ul>	Embedded systems     Computer networks     Social information systems     Distributed systems     Social information systems     Agent system     Network and information security
		MURATA, Masaki 0857-31-5548 murata@eecs.tottori-u.ac.jp MURAKAMI, Jinichi 0857-31-6788 murakami@eecs.tottori-u.ac.jp	Natural language processing     Information retrieval, information extraction     Machine translation     Machine learning
	Knowledge Engineering		<ul> <li>Nonlinear science</li> <li>Information processing using nonlinear dynamics</li> <li>Digital speech signal processing</li> <li>Signal processing using neural networks</li> </ul>
		© KIMURA, Shuhei 0857-31-5227 kimura@eecs.tottori-u.ac.jp TOKUHISA, Masato 0857-31-5805 tokuhisa@eecs.tottori-u.ac.jp	<ul> <li>Evolutionary computation</li> <li>Bioinformatics</li> <li>Semantic and emotion analysis in natural language processing</li> <li>Information technology applications in tourism</li> </ul>
			Computational interaction     Pattern recognition     Human media processing     Augmented reality

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Electrical and Electronic Engineering	Information and Control Engineering	○ NAKAGAWA, Tadao 0857-31-5745 nakagawa@eecs.tottori-u.ac.jp	<ul> <li>Wireless communications and optical wireless communications for wearable devices</li> <li>Physical layer signal processing for wireless communications</li> <li>Radio frequency circuit design</li> </ul>
		<ul><li>○ ITOH, Yoshio</li><li>0857-31-5698</li><li>itoh@eecs.tottori-u.ac.jp</li></ul>	<ul> <li>Adaptive signal processing</li> <li>Digital signal processing</li> <li>Digital communication system</li> </ul>
		SASAOKA, Naoto 0857-31-5234 sasaoka@eecs.tottori-u.ac.jp	<ul> <li>Speech enhancement</li> <li>Digital wireless communication system</li> <li>Active noise control</li> </ul>
		© KONDO, Katsuya 0857-31-5699 kondo@eecs.tottori-u.ac.jp	<ul> <li>Computer vision</li> <li>Bioimage analysis and medical engineering</li> <li>Development of smart measurement control system</li> </ul>
		MISHIBA, Kazu 0857-31-5756 mishiba@eecs.tottori-u.ac.jp	Image processing     Computational photography     Graph signal processing
	Electrical and Electronic Systems Engineering	ISHIDA, Masaru 0857-31-5491 ishida@tottori-u.ac.jp	<ul> <li>Synthesis of active filter</li> <li>Synthesis of immittance function</li> <li>Microwave circuit design</li> </ul>
		© KISHIDA, Satoru 0857-31-6701 kishida@eecs.tottori-u.ac.jp	<ul> <li>Oxide electronics including high-Tc superconductors</li> <li>Surface and interface analysis for fabrication of devices</li> <li>Development of neural networks for analysis of biological information</li> </ul>
		© OHKI, Makoto 0857-31-5688 mohki@eecs.tottori-u.ac.jp	<ul> <li>Evolutionary algorithm for multi-objective symbolic optimization problems</li> <li>Real-world applications of evolutionary optimizing algorithm</li> <li>Self-Organizing Map applied for large-scale multi-dimensional data</li> </ul>
		<ul><li>○ NAKANISHI, Isao</li><li>0857-31-5132</li><li>nakanishi@eecs.tottori-u.ac.jp</li></ul>	<ul><li>Digital signal processing</li><li>Speech signal processing</li><li>Biometrics authentication system</li></ul>
		<ul><li>○ NISHIMURA, Ryo</li><li>0857-31-5237</li><li>ryo@eecs.tottori-u.ac.jp</li></ul>	<ul> <li>Application of renewable energy technology, such as desalination of brackish water, for arid-land development</li> <li>Application of electrostatics and high voltage technology</li> </ul>
	Electronic Materials and Device Engineering	© ICHINO, Kunio 0857-31-5240 ichino@eecs.tottori-u.ac.jp	<ul> <li>Study on wide bandgap semiconductors for optical/power devices</li> <li>Study on high-efficiency solar cells</li> <li>Study on high-efficiency ultraviolet/visible light-emitting devices</li> </ul>

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Course	Field of Education-Research	Supervisor Place to Contact	Research Theme
Electrical and Electronic Engineering	Electronic Materials and Device Engineering	ABE, Tomoki 0857-31-5233 abe@eecs.tottori-u.ac.jp	<ul> <li>Study on crystal growth of wide bandgap semiconductors for optical devices</li> <li>Development of blue-ultraviolet optical detectors</li> <li>Development of blue-ultraviolet optical modulators</li> <li>Study on high efficient ultraviolet light emitting devices</li> </ul>
		○ OHMI, Koutoku 0857-31-6700 ohmi@eecs.tottori-u.ac.jp	<ul> <li>Research on electroluminescent displays</li> <li>Development of wavelength conversion phosphor film for plant growth</li> <li>Development of wavelength conversion phosphor film for solar panel</li> <li>Research on phosphors for white LED applications</li> </ul>
		© KINOSHITA, Kentaro 0857-31-5244 kinoshita@eecs.tottori-u.ac.jp	<ul> <li>Research on functional oxides (especially for memory devices)</li> <li>Research on miniaturization technique for circuits and electronic devices</li> <li>Design of materials and device structures using first-principle analysis</li> </ul>
		© LEE, Sang-Seok 0857-31-5961 sslee@eecs.tottori-u.ac.jp	<ul> <li>MEMS devices for bio/chemical/medical applications</li> <li>Micro/nano technologies for aerospace applications</li> <li>Design and application of metamaterials</li> <li>RFMEMS and power MEMS devices</li> </ul>

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③ Department of Chemistry and Biotechnology

Course	Field of Education-Research	Supervisor Place to Contact	Research Theme
Applied Chemistry	Green Catalysis Chemistry	© KATADA, Naonobu  0857-31-5684  katada@chem.tottori-u.ac.jp TSUJI, Etsushi  0857-31-5257  e-tsuji@chem.tottori-u.ac.jp	<ul> <li>Principles and application of zeolites and solid acid catalysis</li> <li>Conversion of heavy oil components, methane and biomass into useful materials</li> <li>Synthesis of structured functional materials</li> <li>Creation of photocatalysts for use of natural energy</li> </ul>
	Main Group Element Chemistry	<ul><li>○ NANJO, Masato</li><li>0857-31-5516</li><li>nanjo@chem.tottori-u.ac.jp</li></ul>	<ul> <li>Synthesis of ionic liquids consisting of heavy group 14-elements and application to electrochemical devices</li> <li>Design and synthesis of functional organosilicon and organogermanium compounds, and development of electronic materials</li> </ul>
	Applied Electrochemistry	SAKAGUCHI, Hiroki 0857-31-5265 sakaguch@chem.tottori-u.ac.jp USUI, Hiroyuki 0857-31-5634 usui@chem.tottori-u.ac.jp	<ul> <li>Synthesis of lithium or sodium storage intermetallic compounds and their properties as anode materials in lithium batteries</li> <li>Development of all solid-state secondary batteries</li> <li>Design, preparation and characterization of new type of high density hydrogen storage materials</li> <li>Development of energy storage materials based on photovoltaics</li> </ul>
	Molecular Self-assembly		Creation and application of artificial virus structures     Construction of nanostructures by self-organization of biomolecules     Creation of artificial bio-systems     Creation of light-responsive nano/microstructures     Design and creation of smart fluorescent materials
	Design of Functional Molecules	© KOBAYASHI, Kazuhiro 0857-31-5263 kkoba@chem.tottori-u.ac.jp	<ul> <li>Synthesis of heterocyclic compounds</li> <li>Synthesis of biologically active compounds</li> </ul>
	Organic Material Chemistry	SAIMOTO, Hiroyuki 0857-31-5693 saimoto@chem.tottori-u.ac.jp IFUKU, Shinsuke 0857-31-5592 sifuku@chem.tottori-u.ac.jp	<ul> <li>Synthesis and reaction of polyols</li> <li>Synthesis and utilization of chiral compounds</li> <li>Efficient utilization of untapped resources</li> <li>Development of bionanofiber materials</li> <li>Preparation of functional materials from biomacromolecules</li> </ul>
	Synthetic Organic Chemistry	© ITOH, Toshiyuki 0857-31-5259 titoh@chem.tottori-u.ac.jp NOKAMI, Toshiki 0857-31-5179 tnokami@chem.tottori-u.ac.jp	<ul> <li>Development of enzymatic reaction in an ionic liquid solvent system</li> <li>Development of iron salts-catalyzed reaction</li> <li>Synthesis of partly fluorinated analogues of biologically active molecules</li> <li>Chemical glycosylation for oligosaccharide synthesis</li> <li>Organic materials for energy storage devices.</li> <li>Creation and application of functional ionic liquids</li> <li>Development of polar ionic liquids for energy-efficient biorefinery</li> </ul>

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Applied Chemistry	Inorganic Materials Chemistry	MASUI, Toshiyuki     0857-31-5264     masui@chem.tottori-u.ac.jp	<ul> <li>Synthesis and application of environment-friendly color materials</li> <li>Design of new phosphors based on rare earth compounds</li> <li>Development of inorganic sunscreens</li> </ul>
	Biomimetic Chemistry and Related Disciplines	○ TAMURA, Jun-ichi 0857-31-5108 jtamura@rs.tottori-u.ac.jp	Synthesis of bioactive oligosaccharides     Isolation and characterization of bioactive glycans from natural sources
		MORIMOTO, Minoru 0857-31-5990 morimoto@chem.tottori-u.ac.jp	Utilization of biopolymers     Analysis of bio-related compounds
Biotechnology	Applied Technology of Biological Resources	© OHSHIRO, Takashi 0857-31-5269 ohshiro@bio.tottori-u.ac.jp SUZUKI, Hirokazu 0857-31-5907 hirokazusuzuki@bio.tottori-u.ac.jp	<ul> <li>Discovery and application of novel functions of microorganisms and marine algae</li> <li>Application and development of the functions of microorganisms and marine algae to the practical production of useful substances and the solutions of environmental problems</li> <li>Fundamental studies: enzymology, molecular genetics, and protein engineering of enzymes involved in the metabolisms of physiologically active substances and new generation carbon sources in microorganisms and marine algae</li> <li>Enzyme evolution technology with high mutafacient thermophile</li> </ul>
	Biocatalyst Engineering	OKAMOTO, Kenji 0857-31-5276 okamoto@bio.tottori-u.ac.jp HARADA, Hisashi 0857-31-5946 harada@bio.tottori-u.ac.jp	<ul> <li>Isolation and production of bioactive compounds from basidiomycetes</li> <li>Determining the mechanism of action of bioactive compounds from basidiomycetes</li> <li>Production of lignocellulose-degrading enzymes, ethanol and xylitol by basidiomycetes</li> <li>Pathway engineering for the production of functional isoprenoids</li> <li>Functional characterization of isoprenoid biosynthesis genes in higher plants and microalgae</li> <li>Production of useful materials by microalgae</li> </ul>
	Protein Engineering	© KAWATA, Yasushi 0857-31-5271 kawata@bio.tottori-u.ac.jp MIZOBATA, Tomohiro 0857-31-5691 mizobata@bio.tottori-u.ac.jp	Structure and function of enzyme and protein     Protein folding     Protein stability and conformational change     Molecular chaperone and protein fibrillogenesis (aggregation)
	Bioorganic Chemistry	© KISE, Naoki 0857-31-5636 kise@bio.tottori-u.ac.jp SAKURAI, Toshihiko 0857-31-5633 sakurai@bio.tottori-u.ac.jp	<ul> <li>Enantioselective synthesis of physiologically active compounds</li> <li>Stereo selective synthesis using electron transfer reaction</li> <li>Organic synthesis of functional biomacromolecules</li> <li>Design and characterization of supramolecular biomaterials</li> </ul>
	Biophysical Chemistry	○ NAGANO, Shingo 0857-31-5273 snagano@bio.tottori-u.ac.jp HINO, Tomoya 0857-31-5744 t_hino@bio.tottori-u.ac.jp	<ul> <li>Structural biology of natural products biosynthesis</li> <li>Molecular basis of nitrogen metabolism by anammox bacteria</li> <li>Structural biology of thermal sensation</li> <li>Structural biology of membrane proteins</li> </ul>

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④ Department of Management of Social Systems and Civil Engineering

Course	Field of Education-Research	Supervisor Place to Contact	Research Theme
Civil Engineering	Structural and Concrete Engineering	○ TANIGUCHI, Tomoyo     0857-31-5287     t_tomoyo@cv.tottori-u.ac.jp     ONO, Yusuke     0857-31-5286     ysk@cv.tottori-u.ac.jp	Structural design of infra-, mechanical and offshore structures     Earthquake-resistant performance of infra-, mechanical and building structures     Maintenance of infra-, mechanical and offshore structures     Earthquake response analysis of civil structures     Simulation of earthquake disasters
		© KURODA, Tamotsu 0857-31-5523 tkuroda@cv.tottori-u.ac.jp YOSHINO, Akira 0857-31-5280 ayoshino@cv.tottori-u.ac.jp	<ul> <li>Self-compacting, high strength and multi-functional concrete</li> <li>Application of industrial waste products to concrete</li> <li>Durability assessment of concrete and concrete structures</li> <li>Repair and strengthening for concrete and concrete structures</li> <li>Prediction of deterioration and maintenance for concrete structures</li> </ul>
	Geotechnical and Rock Engineering	NAKAMURA, Koichi 0857-31-5986 nakamura@cv.tottori-u.ac.jp	<ul> <li>Constitutive properties of saturated and unsaturated soils</li> <li>Prevention and reduction of ground disasters</li> <li>Dynamic properties of soils</li> <li>Slope disaster mitigation and monitoring</li> </ul>
		NISHIMURA, Tsuyoshi     0857-31-6093     tnishi@cv.tottori-u.ac.jp	<ul> <li>Mechanics and numerical modeling of discontinuous rock mass</li> <li>Tunnel support/reinforcement mechanics based on the NATM concept</li> <li>Rock slope stability and landslide hazard protection</li> <li>Elastic property of rock</li> </ul>
	Hydraulic and Coastal Engineering	○ HINOKIDANI, Osamu 0857-31-5283 hinokida@cv.tottori-u.ac.jp	River and lake hydraulics     River and lake engineering     River disaster and monitoring
			<ul> <li>Numerical model of waves and nearshore currents</li> <li>Coastal sediments and Prediction of coastal geomorphological change</li> <li>Maintenance of river-mouth, port and harbor</li> <li>Coastal disaster and monitoring</li> </ul>
	Geo-spherical Environmental and Architectural Engineering	© KAGAWA, Takao 0857-31-5641 kagawa@cv.tottori-u.ac.jp SHIOZAKI, Ichiro 0857-31-5642 shiozaki@cv.tottori-u.ac.jp	Strong ground motion estimation     Effects of fault rupture process and surface geology on earthquake ground motion     Seismological and EM (electromagnetic) study on structure and dynamics of crust and upper mantle     EM Applications on seismology and volcanology
		ASAI, Hideko 0857-31-5746 asai@cv.tottori-u.ac.jp	Architectural planning     Architectural environment

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Course	Field of Education-Research	Supervisor Place to Contact	Research Theme
Social Management Engineering	Management Systems	KOYANAGI, Junji 0857-31-5307 junji@sse.tottori-u.ac.jp	<ul> <li>Quantitative quality evaluation for service-oriented systems</li> <li>Applied probability</li> <li>Reliability and maintenance theory</li> <li>Queuing system</li> </ul>
	Information Systems	© YAMADA, Shigeru 0857-31-5303 yamada@sse.tottori-u.ac.jp	<ul> <li>Software quality/ reliability assessment modeling and its evaluation</li> <li>Development of practical software management tools</li> <li>Development and application of project management methodologies</li> <li>Availability and safety assessment methodologies for hardware/ software systems</li> <li>New methods for statistical quality control and their application in TQM (total quality management)</li> </ul>
	Regional Systems Planning	© FUKUYAMA, Kei 0857-31-5312 fukuyama@sse.tottori-u.ac.jp KUWANO, Masashi 0857-31-5313 kuwano@sse.tottori-u.ac.jp	<ul> <li>Institutional design and analyses of regional socio-economic systems</li> <li>Economic analyses of urban systems</li> <li>Public policy evaluation</li> <li>Activity – travel behavior analysis</li> <li>Infrastructure planning and management, transportation engineering, and urban planning</li> <li>Local disaster prevention planning</li> <li>Participatory risk communication</li> </ul>
		<ul> <li>         ○ TANIMOTO, Keishi         0857-31-5310         tanimoto@sse.tottori-u.ac.jp         TSUCHIYA, Satoshi         0857-31-5760         tsuchiya@sse.tottori-u.ac.jp     </li> </ul>	<ul> <li>Methodologies for sustainable society planning</li> <li>Planning theory of local transport system</li> <li>Design and analysis of daily support services</li> <li>Disaster risk assessment and management for transportation system</li> </ul>
	Disaster Prevention Planning	<ul> <li></li></ul>	<ul> <li>Soft- disaster prevention based on evacuation simulation</li> <li>Ocean-air coupled modeling</li> <li>Performance evaluation of coastal structures under damage progression</li> <li>Maintenance management model for infrastructure</li> </ul>
	Environmental Planning	<ul> <li>○ HOSHIKAWA, Yoshiko         0857-31-5317         hoshikawa@sse.tottori-u.ac.jp         MASUDA, Takanori         0857-31-5318         masuda@sse.tottori-u.ac.jp</li> </ul>	<ul> <li>Risk assessment of environmental chemicals</li> <li>Application of microorganisms for establishing recycling-based society</li> <li>Maintenance and management of water and waste water system</li> <li>Water quality control and management</li> <li>Current issues in global environmental protection</li> </ul>

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