APPLICATION GUIDELINES Master's Program, Department of Engineering Graduate School of Sustainability Science, Tottori University Special Green Sustainable Chemistry Program in Collaboration with Southwest Asia for 2025 Special Entrance Examination - October Admission -

The Department of Engineering of the Graduate School of Sustainability Science, Tottori University (Special Green Sustainable Chemistry Program in Collaboration with Southwest Asia) recruit students who wish to study Engineering according to the following guidelines.

Courses	Number of Enrollments
Mechanical and Aerospace Engineering	a few
Information and Electronics	a few
Chemistry and Biotechnology	a few
Social Systems and Civil Engineering	a few

1. Courses and Number of Enrollments

2. Qualifications for Application

Applicants must fulfill one of the criteria given from 1 to 8 below.

- 1. Graduated or expected to graduate from a four-year university program on or before the end of September 2025.
- 2. Awarded or expected to be awarded a bachelor's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education following the School Education Law Article 104 Clause 7 on or before the end of September 2025.
- 3. Have completed or expected to complete 16 years of formal education in a foreign country on or before the end of September 2025.
- 4. Have completed or expected to complete 16 years of formal education in a foreign country on or before the end of September 2025 by completing Correspondence Education courses provided by the country in question while residing in Japan.
- 5. Have completed or expected to complete a program provided by an educational institution that owns degree programs offered in foreign countries (only the program that grants the diploma for 16 years of formal education in the said foreign country), which is also recognized as a formal educational institution in the said county while authorized by the Ministry of Education, Culture, Sports, Science and Technology (hereafter called MEXT) on or before the end of September 2025.
- 6. Have been awarded or expected to be awarded a degree equivalent to a bachelor's by completing a program duration of which is more than three years (includes the case of finishing 16 years of formal education in a foreign country by completing Correspondence Education courses provided by the country in question while residing in Japan, and the case of obtaining degree specified by (5) when graduating from an educational institution recognized by the foreign country in question) at a university or other form of school in a foreign country (limited to the institutions with their educational quality such as education and research activities recognized by the evaluators approved by the government of the foreign country in question or other relevant authorities, or institutions recognized as its equivalent by MEXT) on or before the end of September 2025.

- 7. Have completed an upper-level course of a specialized training college (limited to the course duration of which is more than four years and meets other requirements provided by MEXT), which is specially approved by MEXT, after the date provided by MEXT or be expected to complete the course mentioned above before the end of September 2025.
- 8. Specially recommended by MEXT (Public notice Item 5 by Ministry of Education in 1953)

Note.

1. The Department of Engineering, Graduate School of Sustainability Science, Tottori University (Special Green Sustainable Chemistry Program in Collaboration with Southwest Asia), offers all lectures in English.

3. Application Procedure

3.1 Choice of Course and Desired Academic Supervisor

- 1. The applicant must choose a course of study and a desired supervisor. Please contact the desired supervisor in advance before applying. Applications are accepted only with the permission of the desired supervisor.
- 2. In addition, applicants must contact the Academic Affairs Division, Faculty of Engineering (email address: en-kyoumu@ml.adm.tottori-u.ac.jp) by May 30, 2025, to know how to transfer the Examination Fee.

3.2 Application Period

Applications must be submitted from June 2 to June 6, 2025. Any applications received after this date will not be accepted.

3.3 Application Documents

Applicants should send the following documents the Academic Affairs Division, Faculty of Engineering, by EMS (Express Mail Service) or international courier service.

- 1. Application Form for Admission (Form 1)
- 2. Admission Cards with photos (in duplicate) *The photos can be submitted as data files as well
- 3. Transcript of degree or graduation certificate issued by the university or college you attended. *must be original
- 4. Transcript of scholastic record issued by the university or college you attended. *must be original
- 5. Certificate of Residence, copy of Residence Card, or copy of Passport. (Foreign nationals residing in Japan should submit a copy of their Residence Card (both sides) or a Certificate of Residence issued by the city or town office where they live. Foreign nationals residing aboard should submit a copy of their passport.)
- Examination fee of 30,000 yen. Please transfer the Examination Fee between May 22 and June 6, 2025. Please note that we never refund the Examination Fee you paid under any circumstance except in the following cases.
 - (1) In the case of paying the Examination Fee but not submitting documents for the application
 - (2) In the case of paying the Examination Fee but not accepting documents for the application
 - (3) In the case of paying the Examination Fee twice

If applicable (1) \sim (3), please be sure to contact the Academic Affairs Division, Faculty of Engineering (email address: en-kyoumu@ml.adm.tottori-u.ac.jp). Applicants are informed by email how to get a refund on the Examination Fee.

3.4 Note

- 1. Only complete and correct application forms and documents will be accepted.
- 2. The application documents are non-substitutable once received by the Academic Affairs Division, Faculty of Engineering. If original certificates are only issued once officially, duplicates (copies) that's attested to by your university (with official seal/stamp) can be accepted as original.
- 3. The application documents received will not be returned.

4. Screening

4.1 Screening Procedure

Applicants will be evaluated based on document screening and oral examination.

- 1. Document Screening
- Based on the academic transcript, basic knowledge will be evaluated.
- 2. Oral examination

The interview will be on Friday, July 4, 2025. Applicants not based in Japan may be interviewed online but must consult in advance (i.e., before applying) with the professor who will become their adviser.

5. Applicants With Disabilities

The University provides consultation for applicants with disabilities who need special assistance during the entrance examination or enrollment after admission. Please submit a written statement with the following information and a medical certificate to the Student Section in the Faculty of Engineering by Friday, May 23, 2025.

If the University deems it necessary, it will interview the applicants or other related persons who can speak on their behalf. In addition, those who need assistance after the deadline due to an accident or other reason should contact the prospective supervisor immediately.

- 1. Name of applicant, address and telephone number
- 2. School from which you graduated
- 3. Course and Field of your choice
- 4. Type and degree of disability
- 5. Attention needed upon examination
- 6. Attention needed while attending graduate school
- 7. Measures and supports provided at previous schools
- 8. Conditions of daily life

6. Announcement of Screening Results

The screening results will be posted on the Tottori University website on Wednesday, July 23, 2025, at approximately 11:00.

(https://www.admissions.adm.tottori-u.ac.jp/).

7. Admission Process

Instructions for admission process will be individually notified to accepted applicants.

- 1. Processing Documents etc.
 - Dossier, photograph mount for student ID etc.
- 2. Entrance Fee 282,000 Japanese Yen (Tentative)
- 3. Tuition Fees 535,800 Japanese Yen / year [First Semester: 267,900 Yen, Second Semester: 267,900 Yen] (Tentative)
 - Tuition Fees must be paid in November (First Semester) and May (Second Semester)
 Payment instructions will be provided to accepted applicants
- (NOTES) a. Once submitted, the entrance fee will not be refunded under any conditions. b. Students who wish to get an entrance/tuition fees waiver (or collection

postponement) should not submit the entrance/ tuition fees upon admission process.

- c. Above stated entrance/tuition fees amounts are tentative and may change at any time. Students will be asked to pay the revised amount while taking courses at Tottori University.
- 4. Personal Accident Insurance for Students Pursuing Education and Research
 - 1) Gakkensai: This is an accident insurance which covers injuries occurred as a result of a sudden accident while insured students are participating in regular or extracurricular activities, being on campus, or commuting to school. Insurance premiums (2 years): 1,750 yen Department in charge: Health Science Center (E-mail: hokekan-jimu@ml.adm.tottori-u.ac.jp)
 - 2) Insurance for International Students: This insurance provides a wide range of support for student life, including personal liability, permanent disability, medical expenses for daily injuries, rescue expenses, and accidental damage to household goods in the residence.

Insurance amount (2 years): The amount varies depending on the type.

Department in charge: International Affairs Division

(Tel+81-85731-5056, E-mail: kokuko-gaku@ml.adm.tottori-u.ac.jp)

Department in charge: International Affairs Division

(Tel:+81-857-31-5056,E-mail:kokuko-gaku@ml.adm.tottori-.ac.jp)

5. Place of Admission Process 4-101 Koyama-cho Minami, Tottori Academic Affairs Section of Faculty of Engineering, Tottori University

8. Inquiries

Please contact the prospective supervisor for application, examination, or admission inquiries.

Field of Education-Research, Supervisor and Research Theme^{**} Subject to change due to personnel changes

1 Course of Mechanical and Aerospace Engineering

F	ield of Education-Research	Supervisor Place to Contact	Research Theme
Materials and Mechanics	Solid Mechanics	MATSUNO, Takashi matsu∎tottori-u.ac.jp SHIMIZU, Kazuyuki ksmz∎tottori-u.ac.jp	 Forming of high-strength metal material Identification of post-necking plastic deformation behavior of metal materials Multi-scale analysis of plastic deformation induced damage expansion Image-base inverse analysis for micro/nano damaging behavior Deformation and fracture analysis of materials by synchrotron X-ray imaging
	Materials Science and Engineering	CHEN, Zhongchun chen∎tottori-u.ac.jp ONDA, Tetsuhiko onda∎tottori-u.ac.jp	 Fabrication and characterization of thermoelectric materials Development of novel high-strength and high-ductility titanium alloys using additive manufacturing Additive manufacturing of maraging steels and stainless steels In-situ synthesis and multiple toughening of ceramic-matrix composites In-situ synthesis of ceramic-reinforced aluminum-matrix composites Extrusion of aluminum-carbon composites with high thermal conductivity Development of novel antiviral materials and improvement of their durability
Design and Manufacturing	Reliability and Design Engineering	ONO, Yuichi ono∎tottori-u.ac.jp NISHI, Ryosuke nishi∎tottori-u.ac.jp	 Study on fatigue damage evaluation of metals Study on experimental stress analysis Study on improving strength of gear Study on modeling traffic flows Study on the methodology of easing traffic jams
	Manufacturing Engineering	SATO, Masahiko sato∎tottori-u.ac.jp	 Metal cutting process Infrared temperature measurement in machining process Process modeling of turn-milling Modeling of chatter stability in milling operations
Robotics and Mechatronics	Mechanical Dynamics and Mechatronics	TAMURA, Atsutaka a-tamura∎tottori-u.ac.jp	Study on injury biomechanics Human body modeling and mechanical characterization of biological materials Crash simulation
		HONGU, Junichi hongu∎tottori-u.ac.jp	 Study on vibration and noise reduction of machine Development of anomaly detection technique of machine
	Control and Robotics	TSUJITA, Katsuyoshi ktsujita∎tottori-u.ac.jp NAKATANI, Shintaro snakatani∎tottori-u.ac.jp	 Research on the high functionality of legged mobile robots Functional design and motion control of spacecraft Research on the development of human motion assistive systems Robots for inspection, diagnostic and healthcare Biosignal measurements and processing Brain-machine interface for rehabilitation

F	ield of Education-Research	Supervisor Place to Contact	Research Theme
Th	Space Propulsion Engineering	KATSURAYAMA, Hiroshi katsurayama∎tottori-u.ac.jp	 Research on energy conversion process of laser propelled rockets Application of laser detonation waves to ultrafast wind tunnels Development of atmospheric entry decelerator using magnetohydrodynamic force
ermo-Fluid Dynamics	Fluid Engineering	SAKAI, Takeharu tsakai∎tottori-u.ac.jp MATSUNO, Takashi matsuno∎tottori-u.ac.jp ODA, Tetsuya odate∎tottori-u.ac.jp	 Development of thermal protection system for space vehicles Aerothermodynamics, Ablation, radiation, and surface thermochemistry Simulation of High-Temperature Processes Aerodynamic drag reduction of Aircraft and Ground Vehicles Active flow control using plasma actuators Research of flow field by numerical simulations Research on liquid fuel atomization and spray combustion Developments of spray measurement technique Engine combustion analysis and emission reduction
Р	Mathematical Engineering of Complex Systems	FURUKAWA, Masaru furukawa∎tottori-u.ac.jp OOSHIDA, Takeshi ooshida∎tottori-u.ac.jp	 Theory and simulation of magnetohydrodynamics for magnetically confined fusion plasmas Equilibrium and stability analysis of plasmas based on Hamiltonian dynamics theory Structure-preserving numerical simulation algorithms Statistical physics of colloidal liquids Elastoplastic modeling of granular pastes Flows in oscillated shallow water systems
hysical Mecha	Mathematical Material Science	NADA, Hiroki hnada∎tottori-u.ac.jp TAKAE, Kyohei takae∎tottori-u.ac.jp	 Metadynamics study on crystallization mechanisms Machine learning study on amorphous structures and material shapes Mechanism of crystallization control by functional molecules Nonequilibrium dynamics in soft matter and liquids Phase transition in soft crystals
LICS	Electronic structure calculation/ Computational Physics and Engineering	SAKAKIBARA, Hirofumi sakakibara∎tottori-u.ac.jp	 Performance simulations on functional materials using first-principles calculations First-principles derivation of many-body models used in performance simulations Development of highly accurate and efficient solver for many-body problems Prediction of correlated superconducting materials using first-principles calculations Theoretical investigation on exotic transition such as excitonic transition Design of artificial materials such as thin film and superlattice

F	ield of Education-Research	Supervisor Place to Contact	Research Theme
	Nano Dynamics and	MATSUOKA, Hiroshige	Research on molecular interactions and surface interactions
	Tribology/	hiro∎tottori-u.ac.jp	Research on ultra-thin liquid/solid films
	Molecular Fluid Dynamics	DOI, Toshiyuki	Ultra-high accuracy measurements of tribological phenomena
		doi∎tottori-u.ac.jp	Research on molecular gas/liquid-film lubrication
Ph		ISHIKAWA, Takumi	Research on computational tribology
ysi		tishikawa∎tottori-u.ac.jp	Research on dynamics of information storage systems
cal			Research on rarefied gas flows
En	Bio and Fluid Mechanics	GOTO, Tomonobu	Micro-flow analysis, observation and numerical simulation
gin		goto∎tottori-u.ac.jp	Collective and cellular level behavior of micro-organisms
eeri		NAKAI, Tonau	Observation and numerical simulation of bacterial chemotaxis
ng		nakai∎tottori-u.ac.jp	· Aeroacoustics, sound generation mechanism and noise reduction
			· Acoustic impedance measurement of an aperture in the presence of mean flow
	Renewable Energy	HARA, Yutaka	· Research and development of advanced technology of wind turbine
	Engineering	hara∎tottori-u.ac.jp	· Computational fluid dynamics of wind turbines
	_		Research on optimal layout of small wind turbines

② Course of Information and Electronics

Field of Education-Research	Supervisor Place to Contact	Research Theme
Intelligent Control	KUSHIDA, Daisuke	Quantification of sensation based on biological signal
	kushida∎tottori-u.ac.jp	Motion evaluation system based on image processing
	TAKEMORI, Fumiaki	Decision-making modeling and extraction of empirical rules
	take∎tottori-u.ac.jp	Control design of human power assist system
		Intelligent control for mobile robot
	YOSHIKAWA, Nobukazu	Optical sensing and measurement
	nyoshi ∎ tottori-u.ac.jp	Digital holography
		• 3D display
		Imaging through scattering media
Computer Science and Technology	KAWAMURA, Takao	Distributed systems
	kawamura∎tottori-u.ac.jp	Social information systems
	TAKAHASHI, Kenichi	• Agent system
	takahashi∎tottori-u.ac.jp	Network and information security
	HIGASHINO, Masayuki	
	higashino∎tottori-u.ac.jp	
	MURATA, Masaki	Natural language processing
	murata∎tottori-u.ac.jp	Information retrieval, information extraction
		Machine learning
Knowledge Engineering	YOSHIMURA, Kazuyuki	Nonlinear science
	kazuyuki∎tottori-u.ac.jp	Information processing using nonlinear dynamics
	SHIMIZU, Tadaaki	Digital speech signal processing
	tadaaki∎tottori-u.ac.jp	Signal processing using neural networks
	KIMURA, Shuhei	Evolutionary computation
	kimura∎tottori-u.ac.jp	Bioinformatics
	TOKUHISA, Masato	Semantic and emotion analysis in natural language processing
	tokuhisa∎tottori-u.ac.jp	Information technology applications in tourism

Field of Education-Research	Supervisor Place to Contact	Research Theme
Knowledge Engineering	IWAI, Yoshio iwai∎tottori-u.ac.jp AOKI, Kota aoki.k∎tottori-u.ac.jp NISHIYAMA, Masashi	Computational interaction Pattern recognition Human media processing Augmented reality Image recognition
	nishiyama∎tottori-u.ac.jp	Video analysis Human interface
Information and Control Engineering	NAKAGAWA, Tadao nakagawa∎tottori-u.ac.jp	 Wireless communications and optical wireless communications for wearable devices High-precision signal processing for biomedical sensors Radio frequency circuit design
	SASAOKA, Naoto sasaoka∎tottori-u.ac.jp	Speech enhancement Digital wireless communication system Active noise control
	KONDO, Katsuya kondo∎tottori-u.ac.jp	Computer vision Bioimage analysis and medical engineering Development of smart measurement control system
Electrical and Electronic Systems Engineering	NAKANISHI, Isao nakanishi∎tottori-u.ac.jp	 Application of digital signal processing Biometrics person authentication Speech signal processing
	OHKI, Makoto mohki∎tottori-u.ac.jp	 Many-objective optimization algorithms Constrained many-objective optimization algorithms Multi-objective combinatorial optimization problems including symbols and numerics
	SAITO, Kentaro saitouken∎tottori-u.ac.jp	 Wireless communication systems IoT systems Application of drones to wireless communication systems
	MISHIBA, Kazu mishiba∎tottori-u.ac.jp	Image processing Computational photography

Field of Education-Research	Supervisor Place to Contact	Research Theme
Electronic Materials and Device	ICHINO, Kunio	Study on wide bandgap semiconductors for optical/power devices
Engineering	ichino∎tottori-u.ac.jp	Study on high-efficiency solar cells
		Study on high-efficiency ultraviolet/visible light-emitting devices
	ABE, Tomoki	Study on crystal growth of wide bandgap semiconductors
	abe∎tottori-u.ac.jp	· Development of blue-ultraviolet optical detectors (avalanche photodiodes)
		Development of blue-ultraviolet optical modulators
		· Development of high efficient ultraviolet light emitting devices
	OHMI, Koutoku	Research on electroluminescent displays
	ohmi∎tottori-u.ac.jp	Development of wavelength conversion phosphor film for plant growth
		Development of wavelength conversion phosphor film for solar panel
		Research on phosphors for white LED applications
	NISHIMURA, Ryo	Application of renewable energy technology, such as desalination of
	ryo∎tottori-u.ac.jp	brackish water, for arid-land development
		Application of electrostatics and high voltage technology
		Photovoltaic power generation
	LEE, Sang-Seok	MEMS devices for bio/chemical/medical applications
	sslee∎tottori-u.ac.jp	Sensors for IoT and IoT systems
		Design and application of metamaterials
		RFMEMS and RF devices
	MATSUNAGA, Tadao	Development of minimally invasive medical devices utilizing microfabrication
	matsunaga∎tottori-u.ac.jp	techniques (MEMS)
		Development of ultra-thin fiber-optic MEMS sensor
		Development of micro sensors for robotic surgery
		Development of tactile display using micro actuators
		Study on non-planar photofabrication techniques

③ Course of Chemistry and Biotechnology

Field of Education-Research	Supervisor Place to Contact	Research Theme
Green Catalysis Chemistry	KATADA, Naonobu katada∎tottori-u.ac.jp TSUJI, Etsushi e-tsuji∎tottori-u.ac.jp TSUNOJI, Nao tsunoji∎tottori-u.ac.jp	 Principles and application of zeolites and solid acid catalysis Conversion of heavy oil components, methane, biomass and plastic waste into useful materials Synthesis of functional nanostructured materials Development of electrocatalysts and co-catalysts for water splitting and CO₂ reduction On-demand zeolite synthesis for property design Carbon capture and utilization, and environmental purification
Main Group Element Chemistry	NANJO, Masato nanjo∎tottori-u.ac.jp	 Synthesis of ionic liquids consisting of heavy group 14-elements and application to electrochemical devices Design and synthesis of functional organosilicon and organogermanium compounds, and development of electronic materials
Applied Electrochemistry	USUI, Hiroyuki usui∎tottori-u.ac.jp DOMI, Yasuhiro domi∎tottori-u.ac.jp	 Synthesis of lithium, sodium, or potassium storage intermetallic compounds and their properties as anode materials in rechargeable batteries Development of all solid-state secondary batteries Development of energy storage materials based on photovoltaics Reaction behavior analysis of electrode in rechargeable batteries
Molecular Self-assembly	MATSUURA, Kazunori ma2ra-k∎tottori-u.ac.jp INABA, Hiroshi hinaba∎tottori-u.ac.jp	Creation and application of artificial virus structures Construction of nanostructures by self-organization of biomolecules Creation of light-responsive biomolecular systems Creation of functional materials applying inner space of microtubules
Organic and Polymer Materials Chemistry	AGO, Mariko mariko.ago∎tottori-u.ac.jp	 High-throughput synthesis for functional nanoparticles Photo-thermal conversion with porous carbon particles Sustainable development of functional materials from under-utilized biomass resources UV-blocking properties of nano-, micro-particles derived from natural polymers Mechanisms of stabilisation of Pickering emulsions and development of their applications. Development of a rapid analysis method for microplastics released into the environment.
Synthetic Organic Chemistry	NOKAMI, Toshiki tnokami∎tottori-u.ac.jp	 Molecular Glycoscience Organic Electrochemistry Functional Ionic Liquids

Field of Education-Research	Supervisor Place to Contact	Research Theme
Inorganic Materials Chemistry	MASUI, Toshiyuki masui∎tottori-u.ac.jp	 Synthesis and application of environment-friendly color materials Design of new phosphors based on rare earth compounds Development of inorganic sunscreens Preparation of heterogeneous catalysts containing rare earth elements
Biofunction Development Engineering	SUZUKI, Hirokazu hirokazusuzuki∎tottori-u.ac.jp YAGI Hisashi yagi∎tottori-u.ac.jp	 Discovery and application of novel functions of microorganisms and marine algae Application and development of the functions of microorganisms and marine algae to the practical production of useful substances and the solutions of environmental problems 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 Directed evolution approaches to enhance enzyme stability using error-prone thermophiles Development of new medical materials using unutilized marine resources
Biocatalyst Engineering	OKAMOTO, Kenji okamoto∎tottori-u.ac.jp HARADA, Hisashi harada∎tottori-u.ac.jp	 Isolation and production of bioactive compounds from basidiomycetes Determining the mechanism of action of bioactive compounds from basidiomycetes Production of lignocellulose-degrading enzymes, ethanol and xylitol by basidiomycetes Pathway engineering for the production of functional isoprenoids Functional characterization of isoprenoid biosynthesis genes in higher plants and microalgae Production of useful materials by microalgae
Protein Engineering	MIZOBATA, Tomohiro mizobata∎tottori-u.ac.jp AOKI, Eriko eaoki∎tottori-u.ac.jp	 Structure and function of enzyme and protein Protein folding Protein stability and conformational change Molecular chaperone and protein fibrillogenesis (aggregation) Membrane insertion of bacterial membrane proteins Study of antibiotics targeting bacterial proteins
Bioorganic Chemistry	HANASHIMA, Shinya hanashima∎tottori-u.ac.jp	 Flexible bioorganic molecules: Interactions and biological functions Organic molecules targeting lipid bilayers: Mechanistic insights and development Organic synthesis of biomolecules
Structural Biology	NAGANO, Shingo snagano∎tottori-u.ac.jp HINO, Tomoya t_hino∎tottori-u.ac.jp SATO, Yusuke yusato∎tottori-u.ac.jp	 Structural biology of natural products biosynthesis Molecular basis of nitrogen metabolism by anammox bacteria Structural biology of thermal sensation Structural biology of membrane proteins Structural biology of ubiquitin signaling

(4) Course of Management of Social Systems and Civil Engineering

Field of Education-Research	Supervisor Place to Contact	Research Theme
Structural and Concrete Engineering	TANIGUCHI, Tomoyo t_tomoyo∎tottori-u.ac.jp NOGUCHI, Tatsuya noguchit∎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 evaluation of subsurface and building structures Hazard assessment of natural disasters by GIS and satellite technology
	KURODA, Tamotsu tkuroda∎tottori-u.ac.jp	 Application of industrial waste products to concrete Durability assessment of concrete and concrete structures Repair and strengthening for concrete and concrete structures Prediction of deterioration and maintenance for concrete structures
Geotechnical and Rock Engineering	NAKAMURA, Koichi nak_x∎tottori-u.ac.jp	Constitutive properties of saturated and unsaturated soils Slope disaster mitigation and monitoring
	ONO, Yusuke ysk∎tottori-u.ac.jp KOHNO, Masanori kohnom∎tottori-u.ac.jp	 Earthquake response analysis of earth structures Numerical simulation of geohazards Hazard risk assessment for slope disaster Evaluation of properties of clay mineral-bearing geomaterials Properties of rock mass including macro-fracture filled with clay minerals
Hydraulic and Coastal Engineering	WADA,Takashi wada-t∎tottori-u.ac.jp	 Sediment transport and bed deformation in non-uniform sediment beds Bed deformation and channel evolution due to sediment supply to riverbed Effects of river structure on sediment dynamics Debris flow mechanics Sediment-transport process in a river system from mountainous area to estuary
	KUROIWA, Masamitsu kuroiwa∎tottori-u.ac.jp KAJIKAWA, Yuki kajikawa∎tottori-u.ac.jp	 Numerical model of waves and nearshore currents Coastal sediments and Prediction of coastal geomorphological change Maintenance of river-mouth, port and harbor Coastal disaster and monitoring Numerical analysis of topography change due to river flow or tsunami
Geo-spherical Environmental and Architectural Engineering	KAGAWA, Takao kagawa∎tottori-u.ac.jp	 Research for sophisticating strong ground motion estimation Effects of fault rupture process and surface geology on earthquake ground motion Exploration and modeling of underground structures based on geophysical methods
	TSUJII, Maiko K. m.tsujii∎tottori-u.ac.jp	 Architectural planning Citizen co-creation of public architecture. Preservation and utilization of historical buildings. Cultivation process of architectural engineering education. Basic education of fine arts in engineering education.

Field of Education-Research	Supervisor Place to Contact	Research Theme
Urban Planning	FUKUYAMA, Kei fukuyama∎tottori-u.ac.jp	 Institutional design and analyses of regional socio-economic systems Public policy evaluation Infrastructure planning and management, and urban planning
Management Systems	NAGAE, Takeshi nagae∎tottori-u.ac.jp	 Multi-regional computable general equilibrium model and its application Design of residential and road space in a society with decreasing population Management and pricing of infrastructure projects under dynamic uncertainty Infrastructure planning and management, transportation engineering, regional science and urban economics
Information Systems	KUWANO, Masashi kuwano∎tottori-u.ac.jp MINAMINO, Yuka minamino∎tottori-u.ac.jp	 Activity – travel behavior analysis Big data based planning theory Infrastructure planning and management, transportation engineering, and urban planning Service quality control and evaluation Decision making models
Public Systems	TANIMOTO, Keishi tanimoto∎tottori•u.ac.jp CHOSOKABE, Madoka mchoso∎tottori•u.ac.jp	 Methodologies for sustainable society planning Planning theory of local transport system Design and analysis of daily support services Design of participatory planning process Analysis and evaluation of regional management organization
Disaster Prevention Planning and Infrastructure Maintenance Engineering	OTA, Takao ohta∎tottori-u.ac.jp EMOTO, Hisao emoto∎tottori-u.ac.jp	 Soft measures for disaster prevention based on evacuation simulation Performance evaluation of coastal disaster prevention facilities Maintenance management model for infrastructure Bridge management support system by XR and AI Road pavement management system by AI and motion sensor
Environmental Planning	MIYAMOTO, Yoshikazu miyamoto∎tottori-u.ac.jp TAKABE, Yugo takabe.yugo∎tottori-u.ac.jp	 Social design on watershed or rural environmental management Design for the preservation of environments Disaster risk management for adaptation to climate change Application of microorganisms for establishing recycling-based society- Water quality control and management Current issues in global environmental protection