

Excerpt

2026 APPLICATION GUIDE FOR ADMISSION  
TO THE MASTER COURSE  
OF THE GRADUATE SCHOOL OF SCIENCE FOR CREATIVE  
EMERGENCE,  
KAGAWA UNIVERSITY

Field: Engineering

(Special Selection for Foreign Applicants)

May 2025

Graduate School of Science for Creative Emergence, KAGAWA  
UNIVERSITY

## Admissions Policy

◇The Division of Science for Creative Emergence seeks applicants with the following academic qualifications, abilities, and qualities:

### **1. Knowledge/Skills/Comprehension Abilities**

Basic knowledge, skills, and comprehension at the university graduate level in a specialized field, providing the necessary basis for interdisciplinary research.

### **2. Thinking/Judging/Expressive Abilities**

The ability to logically think and make judgments from multiple perspectives about complex social structure-rooted issues, formulate solutions, and articulate ideas effectively.

### **3. Research/Application Abilities**

Research and applied skills to deepen specialized research integrating knowledge from various disciplines.

### **4. Inquisitive Mind/Motivation**

A creative spirit of inquiry and willingness to conduct specialized, multidisciplinary research that integrate knowledge from diverse fields.

### **5. Ethical Values and Social Responsibility**

A sense of responsibility in determining complex problems due to societal challenges, strong interpersonal communication skills, and a collaborative attitude toward interdisciplinary research, all guided by ethical guidelines.

### **6. Global Perspective**

Proficiency in language skills across both domestic and international academic resources related to their field of specialization, coupled with the ability to approach societal challenges from an international and multicultural perspective.

◇Basic Policy for Admission Selection

Special Selection of Foreign Applicants

The entrance examination is open to foreign nationals who have completed undergraduate studies at

university outside Japan. Selection is based on a comprehensive examination and specialized field examinations. The evaluation process comprises both written and oral examinations/interviews. However, some fields of study may not require written examinations.

## **1. Number of Students to be Admitted**

145 (all sections)

※ The engineering division has an approximate capacity of 128 students.

The breakdown of the 128 applicants comprises the following: 85 for students through the recommendation-based selection, 43 for stage I and a few for stage II, and a few for the special selection for working professionals and international students in both stages I and II.

※ The Education and Humanities, Law, and Economics areas has an admission limit of 17 students.

※ In ④ Information Systems/Security, ⑤ Informatics, and ⑥ Artificial Intelligence/Communication Networks, there will be a quota of about six female applicants for general selection in the field of engineering (only in Phase I).

## **2. Eligibility**

Applicants who meet either criterion (3) or (6) from the qualifications of [General Selection] and do not have Japanese nationality.

(3) Foreign applicants must have completed (or are expected to complete) 16 years of school education in a foreign country by March 31, 2026; (6) Applicants who have completed studies at a foreign university that has been accredited by its respective government or a relevant institution for its comprehensive academic, research, and other activities or those who have been designated by the Minister of Education, Culture, Sports, Science and Technology as equivalent thereto.

(6) Universities and other foreign schools (limited to those accredited by its respective foreign government or a relevant institution for its comprehensive academic, research, and other activities or those designated separately by the MEXT as equivalent thereto). This includes completing the corresponding courses provided by a school in a foreign country in Japan and completing a course in an educational institution designated by the MEXT as equivalent to an educational institution in the school education system in a foreign country. (This includes completion of a course at an educational institution designated under the preceding item in the school education system of a foreign country). Applicants who have earned or are expecting to earn a bachelor's-equivalent degree by March 31, 2026.

## **3. Application Procedure**

(1) Application Period

① Recommendation for Selection

May 19, 2025 (Monday) 09:00 AM to May 23, 2025 (Friday) 05:00 PM.

- ② Phase I (General Selection, Special Selection for Social Workers, Special Selection for Foreign Students)

July 22, 2025 (Tuesday) 09:00 AM to July 28, 2025 (Monday) 05:00 PM must be taken.

- ③ Phase II (General Selection, Special Selection for Social Workers, Special Selection for International Students)

November 25, 2025 (Tuesday) 09:00 AM to December 1, 2025 (Monday) 05:00 PM must be taken.

## (2) Application Method

### **Mailing**

Kagawa University, Academic Affairs Section  
Hayashi-cho Integrated Administrative Centre,  
2217-20 Hayashi-cho, Takamatsu, Kagawa  
761-0396, Japan

※ Must be sent by “registered mail, express delivery.”

※ Please note: applications received after the application period will be denied.

※ Applications must be received by 05:00 PM or on the last day of each submission period

(Submission periods; Recommendation: Friday, 23 May 2025; Phase I: Monday, 28 July 2025; Phase II: Monday, 1 December 2025.

Applications received after the deadline will only be accepted if postmarked no later than one day before the final submission date (May 22, 2025 (Thursday) for Recommendation; July 27, 2025 (Sunday) for Phase I; and November 30, 2025 (Sunday) for Phase II).

### **In-Person Submission**

Applicants may submit their applications in person only on the final submission date (May 23, 2025 (Friday) for Recommendation; July 28, 2025 (Monday) for Phase I; and December 1, 2025 (Monday) for Phase II). Practically, applications must be submitted by mail.

Submission address:

Kagawa University, Academic Affairs Section  
Hayashi-cho Integrated Administrative Centre,  
2217-20 Hayashi-cho, Takamatsu, Kagawa  
761-0396, Japan

※Download and print the “Address Sheet for Envelope Attachment,” attach it to a 角形 2 号 240mm × 332mm envelope, and enclose all application materials inside an envelope.

※Applications can be submitted in person at the counter only on the final submission date (May 23, 2025 (Recommendation), July 28, 2025 (Phase I), and Dec 1, 2025 (Phase II)). Office hours are 09:00AM–05:00 PM from Monday to Friday. Please note that applications submitted outside these hours will be denied.

### (3) Application Documents

Applicants for both selection methods must submit the following documents. The prescribed forms can be downloaded from the Graduate School of Science for Creative Emergence website (see Section 7. Notes, etc. (2) About the Graduate School of Science for Creative Emergence website').

#### Volunteers' Common Proposals

Application Documents	Description
Application for Admission	Use the prescribed form (1-1). Obtain an imprint in the “Receiving Financial Institution Treasurer’s Seal” field.
Resume	Use the prescribed form (2).
Statement of Purpose	[Recommended Selection, General Selection, Special Selection for International Students]. Use the prescribed form (3-1). [Special Selection of Social Workers] Use the prescribed form (3-2).
Research Plan	Use the prescribed form (4)
Certificate of Academic Records	Must be prepared and sealed by the home university dean. *Completion is not required for graduates/prospective graduates of Kagawa University. *Certificate forms with anticounterfeiting protection need not be strictly sealed. *For transferees, please submit transcripts from previously attended institutions.
Certificate of Graduation	Must be signed by the home university president (or dean).
Examination Fee	30,000 yen *Please complete the application form and the “Bank Transfer Request Form” and “Receipt” and make the transfer at a financial institution (excluding Japan Post Bank) within the respective time

	<p>periods listed below. ATMs cannot be used. Bank transfer charges are to be paid by the payer. <b><u>Please ensure you have the financial institution's seal stamped on the application form.</u></b></p> <p>Period for Accepting Transfers:</p> <p>① Selection by Recommendation: May 12, 2025 (Monday) – May 23, 2025 (Friday)</p> <p>② Phase I (General Selection, Special Selection for Working Professionals and Special Selection for International Students): July 15, 2025 (Tuesday)–July 28, 2025 (Monday)</p> <p>③ Phase II (General Selection, Special Selection for Working Professionals, and Special Selection for International Students): November 17, 2025 (Monday)–December 1, 2025 (Monday)</p> <p>Note: Most financial institutions close their counters at 03:00 PM on weekdays. Please note that banks are closed on Saturdays, Sundays, and public holidays.</p>
Identification for Examination and Photograph Sheet	Use the prescribed form.
Name and Address	Use the prescribed form.
Return Envelope	Please affix the “Address sheet (for sending examination vouchers, etc.)” and 440 yen stamps to the envelope(角形 2 号 240mm × 332mm). However, if the postage rate has been revised, please affix the postage stamps for the revised amount.
Proof of Status of Residence (for Non-Japanese Nationals)	Submit a copy of your passport. However, if you are currently residing in Japan, submit a copy of your residence certificate or residence card (front and back).
Certificate of Japanese Language Proficiency (for Non-Japanese Nationals)	Applicants intending to study or conduct research in Japanese and who have taken the Examination for Japanese University Admission for International Students (EJU) or the Japanese Language Proficiency Test (JLPT) should submit a certificate of their results (any issue date is acceptable). Applicants who have not taken the EJU or JLPT will not be disadvantaged in the selection process.

## Special Selection of Foreign Applicants

Recommendations	<p>Applicants residing outside Japan should submit a letter of recommendation issued by their university or institution. A letter of recommendation from the applicant's supervisor is also acceptable.</p> <p>Applicants who have graduated from a foreign university and are currently enrolled in a Japanese language school or another Japanese institution should submit a letter of recommendation from their current school or institution. A letter of recommendation by the applicant's academic advisor is also acceptable (optional form, written in Japanese or English).</p>
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## 4. Selection Method

### (1) Academic Achievement Test

#### Special Selection of Foreign Applicants

Personal interview:

Applicants will be evaluated based on the statement of reasons for application, research plan, and other submitted documents at the time of application. Moreover, the applicant's basic academic ability and specialized knowledge in their chosen field, and their "spirit of inquiry, motivation and attitude," "sense of ethics and social responsibility," and "global mindset" (see Admissions Policy).

### (2) Date, Time, and Location

#### ① Examination Schedule

Classification	Date	Other
Recommended	<p>June 21, 2025 (Saturday)</p> <p>Interview: 09:00 AM</p>	* If there are a large number of applicants, an additional session will be held on June 22 (Sunday).
Phase I	<p>August 20, 2025 (Wednesday)</p> <p>Interview: Meeting and start times will be announced on the website.</p>	*If there are a large number of applicants, this will also be held on August 22 (Friday).
PhaseII	<p>December 25, 2025 (Thursday)</p> <p>Interview: Meeting and start times will be announced on the</p>	*If there are a large number of applicants, this will also be held on December 27



	website.	(Saturday).
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## ② Examination Location

Kagawa University, Hayashi-cho Campus (2217-20 Hayashi-cho, Takamatsu City, Kagawa Prefecture)

## 5. Notification of Results

[Recommended Selection]

July 22, 2025 (Tuesday) 09:00 AM

[Phase I] (General Selection, Special Selection for Students Holding Full-time Jobs, and Special Selection for International Students)

September 10, 2025 (Wednesday) 09:00 AM

[PhaseII] (General Selection, Special Selection for Working Professionals, Special Selection for International Students)

January 26, 2026 (Monday) 09:00 AM

※ Screening results will be published on the website. Successful entrance exam applicants will also be notified by mail.

※ Kagawa University URL: <https://www.kagawa-u.ac.jp/admission/result/5316/>

※ Inquiries regarding results via telephone or other means will not be accepted.

## 6. Admissions Procedure

### (1) Admissions Procedure Period

Application procedure must be completed before March 15, (Sunday) 2026.

※ Applicants who fail to complete all admissions procedures during the prescribed period will be considered to have withdrawn their applications.

### (2) Admissions Procedure Requirements

Enrollment information will be sent by post in February 2026.

### (3) Expenses Required at the Time of Enrollment

Admission fee	¥282,000
Tuition fee	¥267,900 (first semester)
	¥535,800 (annual)

※ These amounts are estimated for the 2026 academic year. If student fees are revised at the time of admission or during enrollment, the new payment rates will apply from the time of revision.

### Notes on Payments

I. Tuition fees for the first semester must be paid between April 1, 2026, and May 31, 2026.

Applicants may opt to pay both the tuition fees of the first and second semester when paying for the first semester tuition fees.

II. The paid enrollment fee is not refundable except in the following cases:

① If enrollment procedures have not been completed.

② If enrollment fees have been mistakenly paid in duplicate.

III. If, after completing the enrollment procedures, you are no longer able to enroll in any reason, you must immediately follow the procedure for declining enrollment. Please note that if you do not follow the prescribed procedures for declining enrollment, you will be deemed to have enrolled as of April 1, 2026 and you will be liable for tuition fees (for the first semester).

## 7. Notes

### (1) General Examination Information

Examination times will be announced on the Graduate School website. Applicants must check the latest updates.

Please note that there may be changes to the examinations because of circumstances. In these cases, information will be posted on the Graduate School's website. Applicants must check for the latest updates.

On the examination day, applicants must bring their examination vouchers.

Applicants are required to assemble at the examination center by the time of the assembly.

Applicants arriving more than 15 minutes late will not be allowed to sit the examination.

Applicants may be required to remain in the waiting room for an extended period. However, leaving the waiting room during this time is prohibited.

The application fee will not be refunded for any reason, except in the following cases:

① If the applicant has paid the examination fee but did not apply to the University (did not submit the application documents or the application was not accepted)

② If the examination fee was mistakenly paid in duplicate.

If you fall under ① or ②, please contact the Kagawa University Admissions Office at (087) 832-1182.

(2) Kagawa University URL:

[https://www.kagawa-u.ac.jp/kagawa-u\\_sce/](https://www.kagawa-u.ac.jp/kagawa-u_sce/)

(3) False Statements and Fraud

Applicants found to have falsified application documents or engaged in any misconduct during the entrance examination may have their admission permit revoked, even after enrollment has been approved.

(4) Application by Professionals Not Residing in Japan

Applicants residing outside Japan must contact us before applying (see Section (9): Inquiries and Contact Details).

(5) Extension of Period of Study

Long-term applicants are students who, owing to their occupation or other circumstances, have more limited study time to earn credits and receive research guidance compared to regular students and, therefore, cannot complete their course of study unless they stay longer than 2 years. The student is permitted to complete the course of study by completing it systematically over a certain period of time in excess of the standard period of study. Long-term study students can pursue the standard 2-year term of study regardless of the number of years they have completed their studies. Applicants who wish to take a long-term course must inform their supervisors at the time of consultation. Moreover, please state in your research plan that you wish to conduct a long-term study.

(6) Prior Consultations for Applicants with Physical Disabilities

Applicants requiring special arrangements for selection interviews and campus life should consult with the appropriate university personnel. Applicants with severe disabilities should seek consultation as early as possible. The university may not be able to implement special arrangements if notifications are not received in advance regarding the disabilities described in the table below.

① Requesting a consultation : Submit an application form (Any format is acceptable. Attach a health report.). An interview may be conducted with the applicant or a may be conducted from their alma mater who is familiar with their circumstances, if deemed necessary.

② Contact : Educational Affairs Section, Faculty of Engineering and Design, Kagawa University

Tel: +81-(0)87-864-2015

Address: 2217-20 Hayashi-cho, Takamatsu, Kagawa 761-0396

Please note that the university may be unable to implement special arrangements if advance notification is not received regarding disabilities listed in the table below.

If you are unsure whether you fall under any of the categories shown in the table below, please contact the Educational Affairs Section.

Classification	Degree of physical disability
Visual disability	<ul style="list-style-type: none"> <li>• Eyesight in both eyes below approximately 0.3 or severe visual impairment other than eyesight, wherein visual recognition of normal characters and figures is either impossible or extremely difficult even with glasses.</li> </ul>
Hearing disability	<ul style="list-style-type: none"> <li>• Hearing ability in both ears of approximately 60 decibels or greater, making normal spoken voices difficult or impossible to understand, even with hearing aids.</li> </ul>
Orthopedic impairment	<ul style="list-style-type: none"> <li>• Essential daily movements (e.g., walking and writing) are difficult or impossible even with prosthetics.</li> <li>• Less severe orthopedic impairment that requires continuous medical observation or guidance.</li> </ul>
Poor health	<ul style="list-style-type: none"> <li>• Persistent health problems, including chronic respiratory disorders, kidney diseases, neurological disorders, and malignant neoplasms (cancers) requiring medical treatment or daily regulation.</li> <li>• Persistent physical infirmities requiring daily regulation.</li> </ul>
O t h e r s	Applicants requiring support for the entrance examination and admission process beyond those listed above. These may include developmental disorders (e.g., ADHD, high-functioning autism, etc.), panic disorder, and frequent urination.

#### (7) Handling of Personal Data.

Personal data (name, date of birth, and other personal data) provided in the application form will be used for applicant selection, notification of acceptance, and admission procedures.

The University manages this data to facilitate student registration, academic guidance, , student support, health monitoring, scholarship applications, tuition fees, support for educational and research activities, and activities for the development of the University after the successful applicant's enrollment.

Individual admission results are used only for applicant selection, surveys, and research (improvement of entrance examinations, surveys and analysis of application trends, preparation of various statistical materials), and teaching and student support-related work after successful

applicants have been admitted. Results will not be provided to anyone other than the relevant staff and staff of the University. When survey and research results are presented, all identifying information will be removed to ensure anonymity.

(8) Security Assurance Output Management

Kagawa University enforces the “Security Export Control Regulations of Kagawa University” under the Security Export Control System based on the “Foreign Exchange and Foreign Trade Act (FEFTA)” and strictly screens the export of goods, provision of technology, and human resource exchange involving international students. Applicants subject to FEFTA regulations may not be accepted or may face limitations on their desired research activities.

(9) Inquiries Regarding Entrance Examinations:

Educational Affairs Section, Faculty of Engineering and Design, Kagawa University  
Hayashi-cho Integrated Administrative Centre,  
2217-20 Hayashi-cho, Takamatsu, Kagawa  
761-0396, Japan

## 8. List of Supervisors

Applicants must consult with their prospective supervisor regarding research and other matters at least 2 weeks before submitting documents. They must obtain formal consent before preparing their documents. As a rule, documents will not be accepted without prior consultation (incomplete documentation). Applicants are encouraged to contact the Recurrent and Reskilling Education Center should they not know the contact details of their supervisors, if they are from other universities, or if they are working adults who need advice on how to choose their preferred supervisors.

The supervisor requested at the time of application is provisional, and the supervisor will be confirmed only after enrollment.

### Recurrent and Reskilling Education Center

Educational and Student Supporting Offices Educational Supporting Division

1-1 Saiwaicho, Takamatsu, Kagawa

760-8521, Japan

TEL: 087-832-1519 (Weekdays 09:00 AM–05:00 PM)

E-mail [recarin-h@kagawa-u.ac.jp](mailto:recarin-h@kagawa-u.ac.jp)

URL <https://www.recarin.kagawa-u.ac.jp/>

工学系領域                      Field : Engineering

In the 「受験する系領域」 column of the application form, enter the number ① to ⑨ of the field of specialization corresponding to the academic advisor whom you wish to study.

① : Experience Design & Art • Mathematical Data Science

Name	Main Research Programs
ISHIZUKA Akihiko	Research on product design, service design, and branding design
IFUJI Takashi	Research on product design, and 3DCAD
OBA Haruo	Research on product design, interaction design, and service solutions
KATSUMATA Nobuhisa	Space Structures, Aerospace Engineering, System Engineering
KITAMURA Takayoshi	Research on Design for UI/UX and Its Evaluation Method
KOBAYASHI Hirokazu	Research on the Optimization of Production and Logistics Planning and Information Flow, and the Design of Planning Support Systems
GOTODA Naka	Design and development of educational systems for embodied knowledge with multimedia and network community
SHIBATA Yuki	Contemporary Art, Art Project, Research on SF Prototyping
TAKEUCHI Kenzen	Structural optimization based on numerical simulations
HAYASHI Toshihiro	Development of Sophisticate Educational Systems with Multimedia and Information Communication Technology
HIRAMI Naotaka	Regional vitality and the formation of innovation ecosystems, Internationalization of small and medium-sized enterprises
MATSUI Tetsuya	human-agent interaction
MATSUOKA Kei	Research on color & texture, VR/AR/MR, design science
MINAMI Masahiro	Research on regional design
YAMANAKA Takashi	Research on the design of dialogue processes in face-to-face situations
YOSHIMURA Hidenori	Research on working technology and its simulation technology

② : Architecture, Civil and Environmental Engineering

Name	Main Research Programs
ARAKI Hiroyuki	Static and seismic stability of ground and soil structures
ISHIZUKA Masahide	Hydrology, River Engineering, Water disaster and water/atmospheric environment
OKAZAKI Shinichiro	Research on Life Cycle Management of Concrete Structures
OYAKE Yui	A Proposal for Evaluation of Vegetation on Revegetated Space Based on Vegetation Transition
KAMATOKO Miyako	Wooden constructions / Preservation of historical buildings

SUENAGA Yoshihiro	Study on development of aquatic environment evaluation system
SUZUKI Tatsuya	Study on quantitative evaluation of human activities in architecture, cities, and regions
TAMAKI Tetsuya	Natural resources management and social sustainability
TERABAYASHI Masaru	Study on tectonics of convergent plate boundaries
NAKASHIMA Mitoko	Dwelling environmental planning for the elderly and people with disabilities
HASEGAWA Hironobu	Research on road safety, traffic behaviour and directions for land management in conditionally disadvantaged areas
MIYAMOTO Mitsuhiro	Study on Seismic Performance of Historical buildings
YAMANAKA Minoru	Geo-environmental and Geo-disaster engineering
YAMAMOTO Takahiro	IoT applications in architecture and buildings
YOSHIDA Hidenori	Remediation of contaminated soil and water / Resilience with the aid of artificial intelligence and ICT devices

③ : Disaster and Crisis Management

Name	Main Research Programs
INOMO Hitoshi	Research on disaster and crisis management education/Research on application of soft computing to system reliability and risk management
KAJITANI Yoshio	Urban and regional disaster simulation and risk management
TAKAHASHI Kyosuke	Resilience engineering applications
TAKENOUCHI Kensuke	Research on disaster information, disaster education, and disaster risk communication
CHIMOTO Kousuke	Study on earthquake engineering
NONOMURA Atsuko	Geo-environmental analysis using GIS

④ : Computer Science, Systems, and Security

Name	Main Research Programs
ANDO Kazuaki	Research on natural language processing and its application
OGAWA Yukio	Research on architecture of information network systems
KAGAWA Koji	Research on programming language systems and Web-based programming learning support environments
KAMEI Hitoshi	Research on data storage and data protection for large-scale data infrastructure
KIDA Koji	Research on cyber security based on machine learning technology and its applications



KOMETANI Yusuke	Research on knowledge management systems in learning/regional communities
TAKAGI Tomohiko	Research on systematic software development methods and their support environments
TAKAHASHI Kyosuke	Intelligent computing applications
HASHIMOTO Kenji	Study on Techniques for Counting and Enumerating Solutions to Constraints and Their Applications
HASHIMOTO Masaki	Research on System Security, OSINT Technology
FUKIMORI Satoshi	Research on virtual reality-based applications and the exploration of Perceptual Psychology
YATEGASHI Rihito	Research on software design methods and its applications
YAMADA Satoru	Research on strategy, business model, process and management for information services

⑤ : Informatics

Name	Main Research Programs
ANDO Kazuaki	Research on language information access technology
OKAZAKI Shinichiro	Research on Life Cycle Management of Concrete Structures
KITAMURA Takayoshi	Research on Design for UI/UX and Its Evaluation Method
KIDA Koji	Research on security enhancement based on data science and its applications
GOTODA Naka	Design and development of educational systems for embodied knowledge with multimedia and network community
KOMETANI Yusuke	Research on knowledge management systems in learning/regional communities
SATO Keiko	Human sensory perception, color vision mechanism, and accessibility tools for color vision
TAKAGI Tomohiko	Research on software design and validation techniques for satisfaction of user requirements
TAKAHASHI Kyosuke	Intelligent computing applications
TAKENOUCHI Kensuke	Research on disaster information, disaster education, and disaster risk communication
TAMAKI Tetsuya	Natural resources management and social sustainability
HAYASHI Jun-ichiro	Research on smart-vision technology for human and object recognition
HAYASHI Toshihiro	Development of Sophisticate Educational Systems with Multimedia and Information Communication Technology
YATEGASHI Rihito	Research on learning support system, research on supporting system for tourist

YAMADA Satoru	Research on strategy, business model, process and management for information services
YOSHIDA Hidenori	Resilience with the aid of artificial intelligence and ICT devices

⑥ : Artificial Intelligence and Communication Networks

Name	Main Research Programs
ISHII Koji	Wireless communication and its applications such as wireless networked control system
KITAJIMA Hiroyuki	Numerical analysis of arrhythmia generation mechanism in mathematical cardiac systems
KODAMA Takahiro	Applications of Communication and Sensing Technologies Utilizing Optical Transmission Media
TANJI Yuichi	Algorithms for scientific computation and its hardware implementations
FUJIMOTO Kenichi	Exploration of Engineering Challenges and Optimal Approaches in Medical and Radiological Fields
MATSUSHITA Haruna	Development and analysis of computational Intelligence and its application to nonlinear problems
MARU Koichi	Optical waveguide devices and their application to optical communication/sensing systems

⑦ : Mechanical Systems

Name	Main Research Programs
ISHIHARA Hidenori	Intellectualization and functionalization of robotics
ISHIMARU Ichiro	Infrared spectroscopic imaging for visualization of material components
INOUE Koh	Biomechanics of human movement, Assistive devices for human movement
OMIYA Yuya	Research on Development of Machine Element Technology and Tribology using Nanomaterials
OKUMURA Yukihiro	Development of gas engine and burner to eliminate CO <sub>2</sub> emissions. Simulation of reactive fluid and heat transfer by using supercomputer.
KOMIZUNAI Shunsuke	Motion control of humanoid robots, Haptic interaction with aerial images, Nursing support technology
SASAKI Daisuke	Development of human-friendly robots using pneumatic soft actuators
SATO Keiko	Human sensory perception, color vision mechanism, and accessibility tools for color vision
SUZUKI Keisuke	Research on human-machine interface using VR technology

TAKAO Hidekuni	Nano-technology sensors aiming for artificial sense of touch exceeding our fingertip ability
TAKAHASHI Satoru	Research on machine vision for biological observation and gastrointestinal tract measurement
TUCHIYA Yoshio	Research on measurement systems and human augmentation technology
TSUTSUMI Shigeyoshi	Active safety and behavior analysis of traffic participants by using simulation and data measurement
TERAO Kyohei	Development of bionano devices for the analysis of single cells and single biomolecules
HAYASHI Jun-ichiro	Research on smart-vision technology for human and object recognition
MAEYAMA Shoichi	Autonomous mobile robot and its application to exploration and agriculture

⑧ : Advanced Materials Science

Name	Main Research Programs
ISHII Tomohiko	Electronic and magnetic properties of organic and inorganic hybridized complexes
UEMURA Shinobu	Construction of functional organic nanosheet materials
ONO Takafumi	Research on quantum information processing based on photonic integrated circuits
KUSUNOSE Takafumi	Development of structural ceramic composites with multifunctionality
SUNAYAMA Hirobumi	Fabrication of functional polymer materials capable of molecular recognition
SUZAKI Yoshifumi	Fabrication and characterization of functional thin films and their surface
TANAKA Yasuhiro	Improvement of structural materials, development of functional materials using microstructural analyses at an atomic level
TAHARA Keishiro	Fabrication of organic electronics materials based on organic molecules and metal complexes
TSURUMACHI Noriaki	Physics and applications of light-matter interactions
HARA Mitsuo	Liquid crystalline polymer materials and surface functionalization
HIRAYAMA Kyosuke	Microstructural characterization and mechanical property assessment of structural materials using multimodal and multiscale imaging techniques
HORII Yoji	Flexible functional materials based on organic-inorganic hybrid materials
MATSUDA Shinya	Strength reliability and deformation, failure and fracture mechanisms of structural ceramics and fiber-reinforced composites

MATSUMOTO Hiroaki	Alloy design, microstructural control and deformation process of structural metallic alloys
MIYAGAWA Hayato	Fabrication and characterization of optical and/or electronic devices and materials

⑨ : Biomedical Engineering Innovation

Name	Main Research Programs
INOUE Koh	Biomechanics of human movement, Assistive devices for human movement
INOMO Hitoshi	Research on disaster and crisis management education/Research on application of soft computing to system reliability and risk management
OBA Haruo	Research on product design, interaction design, and service solutions
KOMIZUNAI Shunsuke	Motion control of humanoid robots, Haptic interaction with aerial images, Nursing support technology
SATO Keiko	Human sensory perception, color vision mechanism, and accessibility tools for color vision
SUZUKI Keisuke	Optimizing autonomic nervous activity using VR technology
TAKAHASHI Satoru	Research on machine vision for biological observation and gastrointestinal tract measurement
MAEYAMA Shoichi	Autonomous mobile robot and its application to exploration and agriculture