

静岡大学大学院自然科学系教育部
(創造科学技術大学院)
(後期3年博士課程)

学 生 募 集 要 項

GUIDELINES FOR APPLICATION TO
DOCTORAL DEGREE PROGRAMS
IN
THE GRADUATE SCHOOL OF SCIENCE AND TECHNOLOGY

April 2024
Additional Admission

一般入試

社会人入試

外国人留学生入試

GENERAL SELECTION

SELECTION FOR WORKING STUDENTS

SELECTION FOR INTERNATIONAL STUDENTS



静 岡 大 学

GRADUATE SCHOOL OF SCIENCE AND TECHNOLOGY
SHIZUOKA UNIVERSITY
SHIZUOKA, JAPAN

Shizuoka University's Philosophy and Goals

Our Philosophy: Freedom and Enlightenment & Creation of the Future

Shizuoka University came into being after the integration of the former Shizuoka High School, Shizuoka First Normal School and Shizuoka Second Normal School, Shizuoka Normal School for Youth, and Hamamatsu Technical College (formerly Hamamatsu Technical High School) in 1949, followed by the absorption of Shizuoka Prefectural College of Agriculture in 1951. Prior to their integration, the university's predecessor institutions all had educational policies that placed importance on students' independence, reflecting the liberal social atmosphere that prevailed in Japan under the "Taisho democracy" of the Taisho period (1912–1926). Of these institutions, the Hamamatsu School of Technology in particular espoused a philosophy of "freedom and enlightenment", conducting a form of education that avoided restricting students through exams or rewards and punishments, and instead placed them in an environment that was as free as possible, aiming to give full rein to students' talents by respecting each person's individuality.

This philosophy of freedom and enlightenment is essential not only for education, but also for original research based on unfettered, free thinking and for mutually enlightening collaboration with society; it should therefore be handed down from one era to the next. Shizuoka University's students and staff (faculty and administrators) recognize this, and continue to uphold the philosophy of "freedom and enlightenment" as a mainstay of our education, our research, and our collaboration with society, industry, and our peers overseas. Joining forces, our students and staff will take determined action to tackle local issues, as well as global issues, continually pursuing peace and happiness for humankind. In this way we will dedicate ourselves to the creation of the future—a future filled with hope.

Guided by its philosophy of "freedom and enlightenment, and creation of the future", as defined above, Shizuoka University will continue contributing to the future of humankind and to the development of the local community by cultivating human resources through high-quality education and creative research. Its endeavors will be bolstered by respect and affection for the abundance of natural and cultural assets found in Shizuoka Prefecture, where the university is located.

Please see below for more information.

<https://www.shizuoka.ac.jp/english/outline/vision/mission/index.html>

Admissions Policy of the Graduate School of Science and Technology, Educational Division

【 The individuals we cultivate】

We train high-tech engineers and researchers who gain in-depth knowledge of specialized disciplines and obtain a broad-based education that enables them to meet the needs and expectations of the community and international society.

【 Educational goals】

The graduate school provides a *T-style of education* in which specialized courses and courses in relevant new emerging areas (the vertical bar of the T) are combined with broad-ranging general courses that enable students to better contribute and meet the needs of society (the cross bar of the T), while nurturing individuals who exhibit creative energy, self-solving ability, and communication skills.

【 The students we seek】

The graduate school is looking to admit students

- who are passionately committed to the pursuit of new knowledge and truth in the natural sciences,
- who never give up and are self-motivated and challenged to address tough issues, and
- who demonstrate leadership coupled with a cooperative spirit under a variety of circumstances.

【 Required basic skills before entry】

Qualified candidates for the Education Division of the Graduate School of Science and Technology have completed or are expected to complete a master's degree or a professional degree and have a scholastic aptitude equal to or higher than a master's degree. In the selection examination for general, working, and International students, applicants are given an achievement test and an oral exam regarding their master's thesis or research record, in addition to basic subjects related to the applicant's major in their previously completed graduate curriculum.

Through this selection process, applicants are assessed for their ability to perform doctoral-level study and research. The graduate school looks to admit students (1) who are passionately committed to the pursuit of new knowledge and truth in the natural sciences, (2) who never give up and are self-motivated to address tough issues, and (3) who demonstrate leadership coupled with a cooperative spirit under a variety of circumstances. The oral exams administered in the selection process are designed to evaluate the aforementioned personal qualities and aptitude, in addition to the academic capabilities required for doctoral study.

Student Admission Guide (April 2024 Admission)

General Course, Course for Working Students, Course for International Students

1. Admission Policy

《Department of Nanovision Technology》

A new research field will be created by uniting image science engineers and nanoscience researchers. The control of individual photons and electrons, a method based in nanoscience, will be introduced for the first time to the image sciences and will be called "Nanovision Science." The objective of creating this field will be to develop students who can contribute significantly to the industry advancement as engineers and researchers. Candidates will be assessed based on their abilities, academic achievement, and suitability, among other factors.

《Department of Optoelectronics and Nanostructure Science》

The aim of this department is to develop students' professional capabilities to innovate in future technologies and to participate in initiatives geared towards controlling material functions and interactions between photons and nanostructure materials, specifically relevant to expanding areas of industry such as the communication, measurement and chemical industries. This goal will be achieved through cultivating knowledge of fundamental sciences and practical applications. Applicants are required to demonstrate their ability, scholarship and aptitude for achievement.

《Department of Information Science and Technology》

With a foundation in informatics, engineering and basic sciences, the Department of Information Science and Technology aims to educate specialized researchers to develop novel basic information technologies and advanced engineers of information systems with outstanding skills in information techniques. Applicants are assessed based on academic abilities.

《Department of Environment and Energy Systems》

This department specializes in applying basic principles and equations regarding water, air, and solid and hazardous wastes; material and energy balances; and chemical and biogeochemical cycles to solve environmental issues. Topics include synthesis courses about water treatment, environmental change and biogeochemical cycles, analysis of ecosystems, geomicrobiology, CO₂ sequestration, and environmental legislation. Our goal is to support innovative science and technology through lectures and discussions that connect a broad range of scientific and engineering topics.

《Department of Biosciences》

This department provides education and training to students by conducting frontier research in bioscience and biotechnology, including cell biology, developmental biology, integrative biology, biophysics, microbiology, genomics, biotechnology, bioorganic chemistry, food science, and bioinformatics. Students are expected to take initiative in academia and scientific research and to bring an entrepreneurial drive to new bioindustrial fields.

2. Environmental Leaders Program (special doctoral program) (see 19. for more information)

The special doctoral program "Shizuoka University Corporation Environmental Leaders Program (ELSU) APR 2024" offers highly qualified international students the opportunity to pursue doctoral study and research regarding environmental issues. It aims to develop 'strategy-oriented leaders' on diverse topics ranging from natural conservation to sustainable development. Students selected for ELSU APR 2024 will receive a waiver for the entrance fee and tuition for up to three years (note: disqualified students are no longer eligible to receive a tuition waiver).

Eligibility: International students planning to enroll in April 2024 (any department).

Number of students selected: 2(for April 2024 admission).

Duties: Specified course requirements and fieldwork.

The selection results for ELSU APR2024 will be posted in March 2024.

3. Applicant Eligibility and Requirements

One of the following must be met:

- (1) Earned a master's degree or a professional degree.
- (2) Expected to complete a master's degree or a professional degree by March 31, 2024.
- (3) Earned or expect to complete a master's degree or professional degree outside of Japan.
- (4) Earned or expect to complete a master's degree or a degree equal to a professional degree from a correspondence program of a foreign school in Japan by March 31, 2024.
- (5) Earned or expect to complete a master's degree or a degree equal to a professional degree in Japan designed by the Ministry of Education, Culture, Sports, Science and Technology, such as a postgraduate course in a foreign country, by March 31, 2024.
The postgraduate course described above must be from an educational institution accredited by the education system in the country where it is located.
- (6) Have qualifications approved by the Ministry of Education, Culture, Sports, Science and Technology of Japan (see Remark 2).
- (7) Recognized by our graduate school as possessing scholastic aptitude equal to or above that of a master's degree holder, as determined through an evaluation of admission qualification, and be over 24 years of age by March 31, 2024 (born before April 1, 2000).
- (8) Completed a United Nations University master's degree program, established on December 11, 1972 per a UN General Assembly resolution that provides special measures law Article 1, Clause 2 (No. 72 in 1976) outlining an agreement of association with Japan in reference to the United Nations university headquarters.
- (9) Passed the qualifying examination, completed the curricula in a university abroad, or passed an examination equivalent to the qualifying examination and possess a level of academic aptitude equal to or above a master's degree holder.

(Remark 1) Applicants who intend to apply in accordance with Qualification (6) or (7) are required to submit to an evaluation of qualifications before submitting application documents.

See **14. Evaluation of Applicant Qualifications** on page 8

(Remark 2) (The Ministry of Education Notification No. 118)

- ① Persons who have graduated from a university in Japan and have more than two years of experience working in universities or research institutions and those who are recognized by our graduate school as having scholastic aptitude equal to or above that of a master's holder through a qualification evaluation.
- ② Persons who have more than two years of experience working in universities or research institutions after completing 16 years of education in a foreign country or have completed the equivalent correspondence program in Japan and who are recognized by our graduate school as having scholastic aptitude equal to or above that of a master's holder through a qualification evaluation.

If you have any questions, please contact the Educational Affairs Unit, Faculty of Engineering / Doctoral Course
(see **17. Inquiries**).

4. Admission Capacity

Department	Admission Capacity	General Selection	Selection for Working Students	Selection for International Students
Nanovision Technology	10	A few people	A few people	A few people
Optoelectronics and Nanostructure Science	9	//	//	//
Information Science and Technology	11	//	//	//
Environment and Energy Systems	7	//	//	//
Bioscience	8	//	//	//
Total	45	//	//	//

Refer to the list of Supervising Professors and Research-and-Education Subjects in the Graduate School of Science and Technology, Educational Division provided at the end of this booklet. For a better understanding of our graduate school, we strongly recommend visiting our web page at <https://gsst.shizuoka.ac.jp/?lang=en>

5. Selection Procedure

Applicants will be selected based on a presentation of the applicant's research record/master's thesis, oral exam and application documents. Applicants are required to give a presentation regarding his/her master's thesis or research record and to take an oral exam about the presentation and subjects that have been studied. The duration of the presentation should be 30 minutes. Applicants who have research experience after receiving a master's degree may present this research. A liquid crystal display projector is available; however, applicants should bring a personal computer, including any necessary software and hardware.

- General Selection:
Qualification based on achievement tests, oral examination, and application documents.
- Selection for Working Students and International Students:
Qualification based on achievement tests, oral examination, and application documents.

6. Date of Examination and Place

Date	Time	Subject	Location
Either February 6 (Tue) or 7(Wed), 2024	Details will be provided to each applicant.	Oral examination	Hamamatsu Campus 3-5-1 Johoku, Naka-ku, Hamamatsu, Shizuoka Shizuoka Campus 836 Ohya, Suruga-ku, Shizuoka

*The examination will be held on the campus where the intended supervisor works.

Details will be provided to each applicant.

Transportation

Hamamatsu Campus:

From Bus Terminal at JR Hamamatsu Station's North Exit, take any bus at Bus Stop No15 or 16 and get off at Shizuoka Daigaku Bus Stop. (approximately 20 minutes)

Shizuoka Campus:

From Bus Stop 8B at JR Shizuoka Station's North Exit, take the Miwa Oya Line (route 35) to "Shizuoka University" or routes 34, 36 bound for "Higashi Ohya"(via Shizuoka Univ.) or routes 37, 38 bound for "Museum of Natural and Environmental History, Shizuoka"(via Shizuoka Univ.). Get off at Shizuokadaigaku or Shizudaikatayama Bus Stop. (approximately 25 minutes).

7. Application Documents

- (1) Application form (complete the form provided)
- (2) Examination card and photo ID card. Complete the form provided and paste a photo taken within 3 months of the date of submission
- (3) Research plan (use the form provided)
- (4) Official Certificate of Achievement for undergraduate studies issued by the applicant's undergraduate university
- (5) Official Certificate of Achievement for graduate studies issued by the applicant's graduate school
- (6) Official Certificate of Graduation issued by the applicant's graduate school or an official letter of certification from the graduate school at which the applicant is currently enrolled that states the expected graduation date. Applicants intending to apply in accordance with Qualifications (6) or (7) must submit academic records certified by the university from which the applicant most recently graduated. (See **14. Evaluation of Applicant Qualifications** on page 8.)
- (7) Applicants intending to apply in accordance with Qualifications (1), (3), (4), (5) or (8) and who have a master's or professional degree must submit a copy or summary of their master's thesis in English on 2-pages of A4-size paper. Applicants who have a record of research should append a Summary of Research and Technological Achievements in English. Complete the form provided (maximum 1,200 words). Applicants intending to apply in accordance with Qualifications (2) or (4) and who are expected to complete a master's or professional degree must submit a report on the progress of their master's thesis in English on 2 pages of A4-size paper. Copies of any academic research publications, academic conference presentations, patents, and similar documents, if any, should also be submitted.
- (8) Permission for examination issued by the chief (or other responsible person) of the applicant's place of employment if he/she works for a public office or company. Complete the form provided.
- (9) A self-addressed stamped envelope for results notification. Write the applicant's name, address and ZIP code on a No. 3 envelope (12.0 cm x 23.5 cm) with 344 Japanese Yen (JPY) postage.
- (10) Application fee: 30,000 JPY.
Transfer 30,000 JPY to the Shizuoka University bank account. Applicants must contact Educational Affairs Unit, Faculty of Engineering / Doctoral Course for the account number (see **17. Inquiries**). Please retain the transfer certificate until you receive a Certificate of Application Fee Payment from Shizuoka University.
Paid test fees cannot be refunded except under the some circumstances, regardless of reason. (see **16. Entrance Exam Fee Refund Policy**). Students expected to complete a master's program or professional degree course at the Graduate School of Shizuoka University in March 2024 are not required to pay the application fee.
An application fee is not required for those applying in accordance with Qualifications (6) or (7). Evaluation results will be sent to the applicant by December 14 (Thursday), 2023. Applicants deemed eligible by the qualification evaluation are required to pay the fee upon selection. Instructions for paying the fee will be included with the results notification.
- (11) Return Seal. Provide an address at which to receive the Examination Card and the results notification on the form provided.
- (12) Working student applicants are required to submit a Record of Research and Technological Achievements. Complete the form provided.
A letter of recommendation written by the boss (or other responsible person) of the applicant's place of employment, if any.
- (13) A copy of the applicant's passport clearly showing the applicant's name, photo, birth date, sex, and signature (INTERNATIONAL STUDENTS only)

*We plan to request the submission of presentation files, so please prepare for this. (approximately one week before the exam) We will notify you of the submission method and deadline via email after you apply..

8. Application Period

- (1) Applicants who intend to apply in accordance with Qualifications (1), (2) or (9) and those who have met Qualifications (6) or (7) according to the qualification evaluation:

Application period: December 15 (Friday), 2023 to December 21 (Thursday), 2023.

- (2) Applicants who intend to apply in accordance with Qualifications (3), (4), (5) or (8):

Application period: December 1 (Friday), 2023 to December 7 (Thursday), 2023.

Early submission is required for qualifications to be evaluated.

9. Address for Submission of Application Documents

Educational Affairs Unit, Faculty of Engineering / Doctoral Course
Shizuoka University,
3-5-1 Johoku, Naka-ku, Hamamatsu 432-8561, Japan
TEL (+81)53-478-1010
FAX (+81)53-471-0249

10. Submission Procedure

Applicants must collect the documents listed above and send them by REGISTERED MAIL (such as EMS) or bring them to Educational Affairs Unit, Faculty of Engineering/Doctoral Course at the address above.

On the front of the envelope, please write clearly in red ink: Application Documents for the Graduate School of Science and Technology, Education Division.

11. Announcement of Results

At 10:00 on February 22 (Thursday), 2024, the successful applicants' exam numbers will be posted on the Graduate School of Science and Technology ,Shizuoka University Website (Admission). <https://gsst.shizuoka.ac.jp/?lang=en>

12. Admission Procedures

Successful applicants should complete the admission procedure in accordance with the dates below. Instructions for the admission procedure will be sent.

- (1) Registration Period and Payment:

Registration Period: Middle to late March 2024. Details will be provided.

- (2) Method of Registration: Mail to Educational Affairs Unit, Faculty of Engineering/Doctoral Course (see **9. Address for Submission**). Notice of Payment:

- Admission fee must be paid while completing the admission procedures.
- Students expected to complete a master's program or professional degree course of the Graduate School of Shizuoka University in March 2024 are not required to pay the admission fee.

- (3) Admission Fee and Tuition

Admission Fee: ¥282,000 (actual for 2023).

Tuition: ¥535,800 for the year (¥267,900 for a semester) (actual for 2023).

Note:

- If tuition for the previous term has not been paid by admission day, it must be paid between April 1 and April 28, 2024.
 - If you need to withdraw from the school after enrolling at any time until March 31, 2024, the tuition shall be refunded in full upon request by the person who paid the tuition. Note that the admission fee shall not be refunded under any circumstances.
 - Tuition and other fees assessed by Shizuoka University are standardized and determined by the Ministry of Education, Culture, Sports, Science and Technology (MEXT).
 - If the tuition fee is increased at the time of admission or while school is in session, the new fee shall apply from the date that it goes into effect.
 - If MEXT raises the "Standard Tuition Rate for 2024" prior to March 31, 2024, the additional amount (the difference between what you have already paid and the increased rate) shall be withdrawn from your designated account in October 2024
- (4) Exception from Payment of Admission and Tuition Fees and System for the Prolonged Course Period
- Exception from Payment of Admission and Tuition Fees

An exception for admission payment and tuition fees may be made for low-income students. The details of this system will be provided prior to the admission process. If there are any questions, please contact to Educational Affairs Unit, Faculty of Engineering/Doctoral Course (see **17. Inquiries**).

b. System for the Prolonged Course Period

This system is applicable to a working student who feels that he/she may not be able to finish the course in three years due to work commitments. Based on the student's application, he/she may study for a period of six years. Tuition fees may be specially considered when the system is accepted. Applications to the system are evaluated by the university. The details of this system will be provided prior to the admission process. If there are any questions, please contact to Educational Affairs Unit, Faculty of Engineering/Doctoral Course (see **17. Inquiries**).

13. Important Remarks

- (1) Students expected to complete a master's program or professional degree course of the Graduate School of Shizuoka University in March 2024 must complete the admissions procedures in spite of Notice of Payment 12. (2) b.
- (2) Documents must be submitted via registered mail. Late applications will not be accepted. Documents must arrive before the application deadline.
- (3) Incomplete applications will not be accepted. Submitted documents will not be returned. Be careful to avoid any omissions or errors in writing. Any changes after document submission will not be accepted; however, Educational Affairs Unit, Faculty of Engineering/Doctoral Course should be informed of any change of address.
- (4) Requests for an Application Form by mail should be sent to Educational Affairs Unit, Faculty of Engineering/Doctoral Course (see **9. Address for Submission of Application Documents**). "Application Form for the Graduate School of Science and Technology, Education Division" should be written clearly in red on the envelope. A self-addressed No. 2 envelope (33.2 cm × 24.0 cm) should be enclosed with the request.
- (5) Applicants who intended to apply in accordance with Qualifications (3), (4), (5), or (8) must submit the required documents prior to the application period as mentioned above, for qualifying and checking the application documents (see **8. Application Period (2)**).

14. Evaluation of Applicant Qualifications

Candidates applying in accordance with Qualifications (6) or (7) are required to submit to an evaluation of their scientific capabilities. The evaluation is conducted to assess an applicant's scholastic aptitude based on his/her application documents.

(1) Application Documents

- a. Application Form for Individual Evaluation. Complete the form provided.
- b. Official Certificate of Graduation from undergraduate school issued by the most recently attended university.
- c. Official Certificate of Achievement from graduate school issued by the most recently attended university.
- d. Summary of Research and Technological Achievements. Complete the form provided.
- e. Record of Research and Technological Achievements. Complete the provided form.
- f. Copies of any academic research publications, academic presentations, patents, and similar documents, if any, should also be submitted.
- g. A self-addressed stamped envelope for notification of results. Write the applicant's name, address and ZIP code on a No. 3 envelope (12.0 cm × 23.5 cm).

(2) Application Period

December 1 (Friday), 2023 to December 7 (Thursday), 2023.

Applications must be submitted by the deadline by registered mail to Educational Affairs Unit, Faculty of Engineering/Doctoral Course (see **9. Address for Submission of Application Documents**). Late applications and incomplete documents will not be accepted. Be careful to avoid omissions or errors in writing.

(3) Results Notification

Results will be sent by mail to all applicants by December 14 (Thursday), 2023.

(4) Application Period and Application Documents

Applicants who satisfy application requirements according to the qualification evaluation must complete the submission procedures described in sections **7. Application Documents** through **10. Submission Procedure**. The following materials are required and must be submitted by mail. Instructions for submission will be included with the results notification. Note that the application period is open from **December 15 (Friday), 2023 to December 21 (Thursday), 2023**.

- a. Application Form for Entrance Examination. Complete the form provided.
- b. Examination card and photo ID. Complete the form provided and attach a photo taken within 3 months of the date of submission.
- c. Research Plan. Complete in the form provided.
- d. Permission for examination written by the boss (or other responsible person) of the applicant's place of employment if he/she works for a public office or company. Complete the form provided.
- e. A letter of recommendation written by the boss (or other responsible person) of the applicant's place of employment, if any.
- f. Application Fee: 30,000 JPY.
- g. Return Seal. Provide an address to receive results notification on the form provided.
- h. A copy of the applicant's passport that clearly shows the applicants' name, photo, birth date, sex, and signature (INTERNATIONAL STUDENTS only).
- i. A self-addressed envelope to receive results: provide a return address (the applicant's name, address and ZIP code) on a No. 3 envelope (12.0 cm × 23.5 cm).

15. Special Exam Procedures for Applicants with Disabilities

Applicants with disabilities that require special consideration for taking exams and attending school must meet with the school for an interview prior to applying for admission. The applicant will be contacted once a determination is made based on the interview. We recommend that all new student applicants with disabilities visit the campus before applying to examine the school facilities and campus in person.

16. Entrance Exam Fee Refund Policy

Paid test fees will only be refunded under the circumstances and in accordance with the procedures outlined below.

- (1) Refunds can be issued only under the following circumstances:

- ① The applicant does not apply to the school after the test fees have been paid.
- ② The test fee was paid twice by mistake.
- ③ The application could not be processed due to incomplete documents and/or not satisfying necessary conditions.

- (2) Amount to be refunded:

The amount overpaid or the total amount will be refunded to the applicant per the applicant's request.

- (3) Requesting a refund

Students must submit written refund requests by mail.

In the case of ① or ② in section (1) above, please clearly fill out 1-8 of the following refund request form. All information must be printed clearly. You **MUST** attach EITHER the Confirmation of Postal Transfer (郵便振替払込受付証明書 yuubin furikae haraikomi uketsuke shoumeisho) / Confirmation of Entrance Exam Fee Payment (入学検定料受付証明書 nyuugaku kenteiryō uketsuke shoumeisho) OR the Receipt of Payment (払込金受領証 haraikomikin jyuryōshō).

Refund requests **MUST BE RECEIVED** by the Shizuoka University, Educational Affairs Units, Faculty of Engineering/Doctoral Course no later than Wednesday, February 28, 2024.

In the case of ③, a copy of the refund request form will be included with your returned documents. Please complete and return by mail.

Applicants are responsible for all bank handling fees.

Request for Refund of Shizuoka University Entrance Examination Fees

Year Month Day

To the President of Shizuoka University

1. Reason for Refund Request
2. Type of Test (General Entrance Exam, Entrance Exam for the General Public, Entrance Exam for International Students)
3. Desired Major
4. Name
5. Current Address
6. Telephone Number
7. Amount to be Refunded (¥30,000)
8. Bank Account Transfer Details
 - *Bank Name *Branch Name
 - *Type of Account *Account Number
 - *Name on Account
 - *If name on account differs from applicant's, write account holder's relationship to applicant:

(4) Regarding Applicants Affected by large-scale disasters.

We are taking special measures for applicants who were affected by large-scale disasters in order to lessen their financial burden and encourage chances for university attendance. These applicants can receive special consideration for refunds. Please refer to the following URL for information (Japanese only).

大規模災害で被災した入学志願者に対する入学検定料の特別措置について
<https://www.shizuoka.ac.jp/nyushi/guide/tokubetsusochi/>

17. Inquiries

Educational Affairs Unit, Faculty of Engineering/Doctoral Course, Shizuoka University,
3-5-1 Johoku, Naka-ku, Hamamatsu 432-8561, Japan
TEL (+81)53-478-1010
FAX (+81)53-471-0249
E-MAIL: eng-kyoumu@adb.shizuoka.ac.jp

General information regarding the Graduate School of Science and Technology, Shizuoka University, Japan, is available at <http://gsst.shizuoka.ac.jp/?lang=en>

Applicants who have not been accepted can request examination results from April 15 (Monday), 2024 through May 15 (Wednesday), 2024.

18. Notes

Personal information submitted for the application is used only for the purposes outlined below and shall not be shown, presented or deposited elsewhere.

- (i) For administration of the entrance examination.
- (ii) For completion of admission procedures.
- (iii) For evaluation of eligibility for admission.
- (iv) For needs of students after matriculation.
- (v) For research to support the improvement of selection method of entrants and university education.

19. Environmental Leaders Program (ELSU) APR 2024

(1) PROGRAM DESCRIPTION

The “Shizuoka University Corporation Environmental Leaders Program (ELSU) APR 2024” is a special doctoral program that offers highly qualified international students the opportunity to pursue doctoral study and research regarding environmental issues. It aims to develop ‘strategy-oriented leaders’ with expertise in a diverse range of topics - from natural conservation to sustainable development. We strongly urge all students under ELSU to complete both “Ph. D. degree” and “Environmental Meister”. Students selected for ELSU APR 2024 will receive an entrance fee waiver in addition to a tuition waiver for up to three years. (Note: disqualified students will not be eligible to receive the tuition waiver.)

Eligibility: International students planning to enroll in APR 2024.

Number of students selected: 2 (APR 2024 admission)

(2) APPLICATION PROCEDURES

Those who are interested in applying for ELSU APR 2024 should submit the following documents by December 21 (Thu), 2023, pending approval from the prospective advisor.

Additional application materials to be submitted:

- (1) Description of research title and plan;
- (2) Records and summaries of field surveys/activities;
- (3) Recommendation from previous advisor or another person who is familiar with the applicant’s work (one recommendation, no formal template).

All documents must be submitted during the application period.

Program requirements:

To complete “Environmental Meister”, all students under ELSU must perform the following three tasks:

- (1) 6 credits from the selected courses.
- (2) 45 hours of fieldwork
- (3) One presentation (in English) at an international conference

Courses	Credits	Notes
Environmental Process Engineering	2	Courses must be taken as follows: (1) 3 credits from the left as part of Ph.D. requirements. (2) Additional 3 credits or more from the left separate from Ph.D. requirements. (3) Either Environmental Ethics or Bioethics is required.
Manufacturing Systems	2	
Biogeochemical Cycling in the Biosphere	2	
Earth Interior Dynamics	2	
Global Environmental Systems Engineering	2	
New Genetic and Cellular Engineering	2	
Integrative Bioregulation	2	
Environmental Analysis	1	
Climate Change and Biogeochemical Cycles	1	
Marine Biology	1	
Remote Sensing	1	
An Essay on Natural Environment	1	
Energy and Environment	2	
Life, Environment and Science	2	
Environmental Ethics	1	
Bioethics	1	
Practical Use Technology English Conversation I	1	
Practical Use Technology English Conversation II	1	

(3) Announcement of Successful Applicants

The selection results for ELSU APR 2024 will be posted in March 2024

20. Security Export Control

Shizuoka University has established “Shizuoka University Security Export Control regulations” in accordance with “Foreign Exchange and Foreign Trade Act”, and rigorously screens potential international students on the basis of these regulations. International applicants who fall under any of the conditions set out in said regulations may be unable to enter their desired course or program.

[Reference]

“Shizuoka University Security Export Control regulations”

<https://reiki.adb.shizuoka.ac.jp/aggregate/catalog/index.htm>

Ministry of Economy, Trade and Industry “Security Export Control in Japan”

<https://www.meti.go.jp/policy/anpo/englishpage.html>

令和5(2023)年度静岡大学大学院自然科学系教育部(後期3年博士課程)概要
Graduate School of Science and Technology, Educational Division

ナノビジョン工学専攻
Department of Nanovision Technology

※1: 令和6年3月退職予定/Scheduled to retire in March 2024
※2: 令和7年3月退職予定/Scheduled to retire in March 2025
※3: 令和8年3月退職予定/Scheduled to retire in March 2026

担 当 教 員 Academic Staff		教 育 研 究 分 野 Research Area	所 属 キャンパス	
	教 授 Prof.	青 木 徹 Toru Aoki	不可視光イメージング, エネルギー弁別高エネルギー電磁波 (X線・ガンマ線)イメージング Unvisible Light Imaging, Energy Discriminated High-energy Radiation (X-ray, Gamma-ray) Imaging	浜松 Hamamatsu
	教 授 Prof.	池 田 浩 也 Hiroya Ikeda	赤外線センサ・生体センサのためのナノ構造熱電変換材料の開発 Thermoelectric Nanomaterials for Infrared Photodetector and Physiological Sensor	浜松 Hamamatsu
※1	教 授 Prof.	石 田 明 広 Akihiro Ishida	量子井戸物性・デバイス Physics and Device Applications of Semiconductor Quantum Wells	浜松 Hamamatsu
	教 授 Prof.	居 波 渉 Wataru Inami	先端光計測, 顕微鏡手法に関する研究 Advanced optical measurement and microscopy	浜松 Hamamatsu
	教 授 Prof.	井 上 翼 Yoku Inoue	半導体およびカーボン材料によるナノマテリアルテクノロジー Semiconductor and Carbon Nanomaterial Technology	浜松 Hamamatsu
	教 授 Prof.	海老澤 嘉 伸 Yoshinobu Ebisawa	イメージング技術に基づく視覚工学, 視覚-眼球運動系の心理物理 Vision Engineering Based on Imaging Technology and Psychophysics of Visuo-oculomotor System	浜松 Hamamatsu
	教 授 Prof.	小 野 篤 史 Atsushi Ono	近接場光学, プラズモニクス Near-field Optics, Plasmonics	浜松 Hamamatsu
	教 授 Prof.	小 野 行 徳 Yukinori Ono	CMOS技術を基盤とした量子ナノエレクトロニクス Quantum Nanoelectronics based on CMOS Technologies	浜松 Hamamatsu
	教 授 Prof.	香 川 景一郎 Keiichiro Kagawa	情報光学, 高機能CMOSイメージセンサ, 光学・撮像・処理融合 Information photonics, functional CMOS image sensor, optics- sensing-processing fusion	浜松 Hamamatsu
※1	教 授 Prof.	金 武 佳 明 Kamen Kanev	表面情報伝達担体に関する研究とその応用 Research on Surface Communication Carriers and Its Application (Surface Based Interactions)	浜松 Hamamatsu
※3	教 授 Prof.	川 人 祥 二 Shoji Kawahito	機能集積イメージングデバイスとシステム Imaging Devices and Systems Integrating Advanced Functions	浜松 Hamamatsu
	教 授 Prof.	越 水 正 典 Masanori Koshimizu	放射線計測に資する光学材料開発, 光物性 Development of optical materials for radiation detection, Optical properties of materials	浜松 Hamamatsu
	教 授 Prof.	佐々木 哲 朗 Tetsuo Sasaki	医薬品の結晶成長とテラヘルツレーザー分光による評価 Crystal Evaluation by THz Laser Spectroscopy and Crystal Growth of Pharmaceuticals	浜松 Hamamatsu

担当教員 Academic Staff		教育研究分野 Research Area	所 属 キャンパス
教授 Prof.	橋 口 原 Gen Hashiguti	集積化微小電気機械システム Integrated Micro-Electro-Mechanical System	浜松 Hamamatsu
教授 Prof.	原 和 彦 Kazuhiko Hara	ナノビジョン光材料・デバイスの開発 Development of the Optoelectronic Materials and Devices for the Nanovision systems	浜松 Hamamatsu
教授 Prof.	Mizeikis Vygantas	フェムト秒レーザーリソグラフィによるフォトニック結晶の作製とその光学特性評価 Fabrication and optical characterization of photonic crystal structures by femtosecond laser lithography	浜松 Hamamatsu
准教授 Assoc.Prof.	荻 野 明 久 Akihisa Ogino	熱電子発電, プラズマ応用 Thermionic Energy Conversion, Plasma Application	浜松 Hamamatsu
准教授 Assoc.Prof.	光 野 徹 也 Tetsuya Kono	ナノ-マイクロ構造, ナノ-マイクロフォトニクス Nano-micro structures, Nano-micro photonics	浜松 Hamamatsu
准教授 Assoc.Prof.	小 南 裕 子 Hiroko Kominami	光物性, 光デバイス Optical properties of materials, Opto-electronic devices	浜松 Hamamatsu
准教授 Assoc.Prof.	武 田 正 典 Masanori Takeda	テラヘルツ帯における分光及び高感度超伝導検出器技術に関する研究 Research on Spectroscopy and High-Sensitivity Superconducting Detector Technologies in the Terahertz Band	浜松 Hamamatsu
准教授 Assoc.Prof.	Tripathi Saroj Raman	テラヘルツフォトニクス、テラヘルツ波の産業応用 Terahertz photonics, Industrial application of terahertz wave	浜松 Hamamatsu
准教授 Assoc.Prof.	中 野 貴 之 Takayuki Nakano	III族窒化物半導体結晶成長、光機能デバイス、熱中性子半導体検出器 Epitaxial growth of group-III nitride semiconductor, Optical functional devices, Thermal neutron semiconductor detector	浜松 Hamamatsu
准教授 Assoc.Prof.	根 尾 陽一郎 Yoichiro Neo	スミスパーセル超放射, 高感度撮像管, 高輝度電子源, 有機高分子ファイバーデバイス Superradiant in tera-hertz, high sensitive imaging tube, high brightness cathode, organic polymer fibrous devices	浜松 Hamamatsu
准教授 Assoc.Prof.	二 川 雅 登 Masato Futagawa	農業や環境分野のための水分量, pH, イオン濃度計測が可能な多機能型センサデバイス・センサ計測回路に関する研究 Multimodal Sensor Devices and Sensor Measurement Circuits to Monitor Water Content, pH, and Ion Concentration for Agriculture and Environmental fields	浜松 Hamamatsu
准教授 Assoc.Prof.	堀 匡 寛 Masahiro Hori	シリコン中の単一電荷、単一スピン操作 Manipulation of Single Charge and Spin in Silicon	浜松 Hamamatsu
准教授 Assoc.Prof.	Daniel Moraru	ナノスケール及び原子レベルエレクトロニクス、ナノ材料科学 Nanoscale and Atomic-Scale Electronics, Nano-Materials Science	浜松 Hamamatsu

光・ナノ物質機能専攻

Department of Optoelectronics and Nanostructure Science

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担当教員 Academic Staff		教育研究分野 Research Area	所属 キャンパス
教授 Prof.	岩田 太 Futoshi Iwata	ナノスケール表面計測・加工および光精密機器開発 Nano-scale Measurement, Fabrication and Optical Precision Instruments	浜松 Hamamatsu
教授 Prof.	江上 力 Chikara Egami	超高密度光メモリ, 非線形レーザ顕微鏡, 光情報処理 High Dense Optical Storage System, Nonlinear Optical Microscope, Optical Information Processing	浜松 Hamamatsu
※3 教授 Prof.	海老原 孝雄 Takao Ebihara	希土類および3d遷移金属間化合物の純良単結晶育成および磁性と伝導・超伝導についての電子輸送論的研究 Investigation of electrotransport properties in high quality single crystals of rare earth and 3d-transition intermetallic compounds.	静岡 Shizuoka
教授 Prof.	岡林 利明 Toshiaki Okabayashi	高分解能分光法による短寿命分子種とクラスターの物理化学的研究 Physico-chemical Studies on the Transient Molecules and Clusters Using the High Resolution Spectroscopic Method	静岡 Shizuoka
教授 Prof.	久保野 敦史 Atsushi Kubono	有機凝集体(液晶、高分子薄膜)の構造と物性 Structures and Physical Properties of Organic Condensed Matter - Liquid Crystals and Polymeric Thin Films	浜松 Hamamatsu
教授 Prof.	小林 健二 Kenji Kobayashi	超分子化学に基づく物質創製と機能化 Construction and Function of New Materials Based on Supramolecular Chemistry	静岡 Shizuoka
教授 Prof.	近藤 淳 Jun Kondoh	表面波素子の化学センサ, バイオセンサ, およびワイヤレスセンサへの応用とマイクロ流体素子開発 Application of surface wave devises for chemical, bio- and wireless sensors, and development of microfluidic system	浜松 Hamamatsu
教授 Prof.	近藤 満 Mitsuru Kondo	新機能発現へ向けた新しい金属錯体の合成 Synthetic Studies of Coordination Materials for Creations of New Functional Solids	静岡 Shizuoka
※3 教授 Prof.	昆野 昭則 Akinori Konno	ナノマテリアルの光電気化学および光電変換への応用 Photoelectrochemistry of Nanomaterials and Their Applications to Photoelectric Energy Conversion	浜松 Hamamatsu
教授 Prof.	下村 勝 Masaru Shimomura	原子スケールで制御された表面界面構造の研究 Research on atomically controlled surface and interface structures	浜松 Hamamatsu
教授 Prof.	関根 理香 Rika Sekine	計算・理論化学を用いた無機化合物の構造・物性・反応性の解明 Computational and Theoretical Chemistry for Analysis of Structure, Properties, and Reactivity of Inorganic Compounds.	静岡 Shizuoka
※3 教授 Prof.	立岡 浩一 Hirokazu Tatsuoka	ナノ光電及び熱電変換材料の作製と評価 Syntheses and Characterizations of Nano-optoelectronic & Nano-thermoelectric Materials	浜松 Hamamatsu
※1 教授 Prof.	富田 誠 Makoto Tomita	ナノ構造媒質中での光の伝播, 放射などの量子光学, 量子エレクトロニクス Quantum Optics, Quantum Electronic, Including Light Propagation and Emission in Nanostructured Media	静岡 Shizuoka

担 当 教 員 Academic Staff		教 育 研 究 分 野 Research Area	所 属 キャンパス
教 授 Prof.	鳥 居 肇 Hajime Torii	液体系と生体分子系のダイナミクス・機能と相互作用の理論的解析 Theoretical Analysis of the Dynamics, Functions, and Interactions of Liquids and Biomolecular Systems	浜松 Hamamatsu
教 授 Prof.	平 川 和 貴 Kazutaka Hirakawa	光線力学的療法の基礎研究、ナノ粒子の光・物理化学 Fundamental Study on Photodynamic Therapy, Photo- Physical Chemistry of Nanoparticles	浜松 Hamamatsu
教 授 Prof.	符 徳 勝 Desheng Fu	新規グリーンな多機能性(誘電・圧電・焦電・光電)酸化物の開発, 固体物性 Searching for novel green multi-functional oxides (dielectrics/piezoelectrics/pyroelectrics/electro-optics),solid state physics.	浜松 Hamamatsu
教 授 Prof.	藤 間 信 久 Nobuhisa Fujima	第一原理計算による物質中のナノスケール原子構造・電子構造 Nano Scale Atomic and Electronic Structures in Materials by First Principles Calculation	浜松 Hamamatsu
教 授 Prof.	間 瀬 暢 之 Nobuyuki Mase	グリーン有機化学とキラルテクノロジー Green Organic Chemistry and Chiral Technology	浜松 Hamamatsu
教 授 Prof.	李 洪 譜 Hongpu Li	光ファイバ工学, 光ファイバセンサー, 非線形ファイバ光学, 光情報処理 Fiber Optics, Fiber Sensors, Nonlinear Fiber Optics, Optical Information Processing	浜松 Hamamatsu
教 授 Prof.	脇 谷 尚 樹 Naoki Wakiya	気相法による新規機能性セラミックス薄膜の作製と物性 Preparation and properties of novel functinal ceramics thin films through physical vapor deposition	浜松 Hamamatsu
准教授 Assoc.Prof.	大 多 哲 史 Satoshi Ota	磁性ナノ粒子のバイオ医療応用と磁化ダイナミクス解析 Evaluation of magnetization dynamics of magnetic nanoparticles for biomedical applications	浜松 Hamamatsu
准教授 Assoc.Prof.	奥 谷 昌 之 Masayuki Okuya	光機能性薄膜の作製と応用 Film formation and application to opt-electronic devices	浜松 Hamamatsu
准教授 Assoc.Prof.	坂 元 尚 紀 Naonori Sakamoto	透過型電子顕微鏡によるナノマテリアルの構造解析 Structure analysis for nanomaterials using transmission electron microscopy 低環境負荷プロセスによる無機ナノ構造の構築と物性に関する研究 Research about fabrication and function of inorganic nano structured materials by low energy consuming process	浜松 Hamamatsu
准教授 Assoc.Prof.	清 水 一 男 Kazuo Shimizu	マイクロプラズマの医療分野、環境分野への応用研究(プラズマドラッグデリバリー、プラズマアクチュエータ、室内空気浄化) Microplasma applications to medical and environmental field (Plasma drug delivery, plasma actuator, indoor air treatment)	浜松 Hamamatsu
准教授 Assoc.Prof.	田 中 康 隆 Yasutaka Tanaka	有機合成と超分子化学を基本とする不斉情報転写や光分子デバイス Chiral Information Transfer and Photo-molecular Devices Based on Synthetic Organic and Supramolecular Chemistry	浜松 Hamamatsu
准教授 Assoc.Prof.	富 田 靖 正 Yasumasa Tomita	無機固体イオニクス材料の合成および物性評価 Synthesis and Characterization of Inorganic Materials for Solid State Ionics	浜松 Hamamatsu
准教授 Assoc.Prof.	中 村 篤 志 Atsushi Nakamura	2次元層状物質の結晶成長および物性評価 Synthesis and Characterization of 2D materials	浜松 Hamamatsu
准教授 Assoc.Prof.	鳴 海 哲 夫 Tetsuo Narumi	創薬を指向した有機化学的手法の開発、生命現象を有機化学で理解するための機能性分子の創製 Organic Chemistry-Driven Drug Discovery and Chemical Biology	浜松 Hamamatsu

担 当 教 員 Academic Staff	教 育 研 究 分 野 Research Area	所 属 キャンパス
准教授 Assoc.Prof. 松 田 靖 弘 Yasuhiro Matsuda	溶液中およびゲル中の高分子構造の解析 Characterization of Polymer Structure in Solution and Gel	浜松 Hamamatsu
准教授 Assoc.Prof. 守 谷 誠 Makoto Moriya	超分子の規則的な配列を利用した分子イオンクスに関する研究 Molecular Ionics Using Supramolecular Assemblies	静岡 Shizuoka
講 師 Lecturer 田 代 陽 介 Yosuke Tashiro	生体微粒子に関連したナノバイオサイエンスとナノバイオテクノロジー Nanobioscience and Nanobiotechnology Related to Biological Fine Particles	浜松 Hamamatsu
助 教 Assist.Prof. 佐 藤 浩 平 Sato Kohei	ペプチド・タンパク質化学を基盤とするケミカルバイオロジー研究 Peptide/Protein-Based Chemical Biology	浜松 Hamamatsu

情報科学専攻

Department of Information Science and Technology

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担当教員 Academic Staff	教育研究分野 Research Area	所属 キャンパス
教授 Prof. 石原 進 Susumu Ishihara	モバイルコンピューティング, コンピュータネットワーク, モバイルネットワーク Mobile Computing, Computer Networks, Mobile Networks	浜松 Hamamatsu
教授 Prof. 大島 純 Jun Oshima	学習科学, 教育工学 Learning Sciences, Educational Technology	浜松 Hamamatsu
教授 Prof. 大島 律子 Ritsuko Oshima	学習科学, 教育工学 Learning Sciences, Educational Technology	浜松 Hamamatsu
教授 Prof. 大橋 剛介 Gosuke Ohashi	画像センシング, 画像処理 Sensing via Image Information, Image Processing	浜松 Hamamatsu
教授 Prof. 桐山 伸也 Shinya Kiriya	音声言語情報処理, 知的情報処理, ヒューマンインタフェース Spoken Language Processing, Intelligent Information Processing, Human Interface	浜松 Hamamatsu
教授 Prof. 高口 鉄平 Teppei Koguchi	情報通信経済学, パーソナルデータの経済分析 ICT Economics, Economic Analysis of Personal Data	浜松 Hamamatsu
教授 Prof. 小西 達裕 Tatsuhiko Konishi	知的教育システム, 知的インタフェース Intelligent Educational Systems, Intelligent Human Interfaces	浜松 Hamamatsu
教授 Prof. 佐治 斉 Hitoshi Saji	ヘリテレスystem Helitele system	浜松 Hamamatsu
教授 Prof. 塩見 彰睦 Akichika Shiomi	画像処理, 組み込み用画像処理システム Image Processing, Embedded Image Processing System	浜松 Hamamatsu
教授 Prof. 杉浦 彰彦 Akihiko Sugiura	超高精細画像の高効率符号化, ワイヤレスネットワーク通信の応用 High Efficiency Encoding of Ultra High Definition Television, Application of Wireless Network Communication	浜松 Hamamatsu
教授 Prof. 杉山 岳弘 Takahiro Sugiyama	画像処理と応用 Image Processing and Application	浜松 Hamamatsu
教授 Prof. 鈴木 信行 Nobuyuki Suzuki	非古典述語論理, Kripke意味論 Non-classical Predicate Logics, Kripke Semantics	静岡 Shizuoka
教授 Prof. 竹内 勇剛 Yugo Takeuchi	認知科学, 対話コミュニケーション, HAI Cognitive Science, Verval Communication, Human-Agent Interaction	浜松 Hamamatsu
教授 Prof. 田中 直樹 Naoki Tanaka	作用素半群と発展方程式 Semigroups of Operators and Evolution Equations	静岡 Shizuoka

担 当 教 員 Academic Staff		教 育 研 究 分 野 Research Area	所 属 キャンパス	
教 授 Prof.	土 屋 麻 人 Asato Tsuchiya	素粒子論、場の量子論、弦理論、宇宙論 Theoretical Particle Physics, Quantum Field Theory, String Theory, Cosmology	静岡 Shizuoka	
教 授 Prof.	永 吉 実 武 Sanetake Nagayoshi	経営情報システム、技術経営、企業工学 Management Information Systems, Management of Technology, Enterprise Engineering	浜松 Hamamatsu	
教 授 Prof.	西 垣 正 勝 Masakatsu Nishigaki	要素技術・運用技術・ユーザ特性を統合したヒューマニクス情報セキュリティ Humanics Information Security with Consideration of Optimization through Technological, Management and User Aspects	浜松 Hamamatsu	
教 授 Prof.	庭 山 雅 嗣 Masatsugu Niwayama	生体計測、医用光学、近赤外分光法 Biomedical Measurement, Biomedical Optics, Near-infrared Spectroscopy	浜松 Hamamatsu	
教 授 Prof.	能 見 公 博 Masahiro Nohmi	超小型衛星開発、衛星協調制御、宇宙ロボット、月惑星探査 Nano-satellite development, Satellites cooperative control, Space robotics, Lunar and planetary exploration	浜松 Hamamatsu	
教 授 Prof.	長 谷 川 孝 博 Takahiro Hasegawa	情報基盤、情報システム、情報セキュリティ Information Infrastructure, Information System, Information Security	浜松 Hamamatsu	
教 授 Prof.	福 田 直 樹 Naoki Fukuta	マルチエージェントシステム、モバイルエージェント、セマンティックウェブ Multi-Agent Systems, Mobile Agents, Semantic Web	浜松 Hamamatsu	
※3	教 授 Prof.	前 田 恭 伸 Yasunobu Maeda	リスクマネジメント、リスクコミュニケーション、リスク情報システム Risk management, Risk communication, Risk information system	浜松 Hamamatsu
※1	教 授 Prof.	三 浦 憲二郎 Kenjiro T. Miura	形状処理工学、コンピュータグラフィクス、画像処理、知的光計測 Computer Aided Geometric Design, Computer Graphics, Image Processing, Intelligent Optical Measurement	浜松 Hamamatsu
	教 授 Prof.	道 下 幸 志 Koji Michishita	高度情報化システムの雷害対策 Lightning Protection for Information-oriented and Computerized System	浜松 Hamamatsu
	教 授 Prof.	峰 野 博 史 Hiroshi Mineno	マルチモーダルAI/IoT、コンシューマデバイス&システム、農業情報学 Multimodal AI/IoT, Consumer Device & System, Agricultural Informatics	浜松 Hamamatsu
	教 授 Prof.	宮 崎 真 Makoto Miyazaki	認知・脳科学、心理物理学、スポーツ科学 Cognitive and Brain Sciences, Psychophysics, Sport Sciences	浜松 Hamamatsu
	教 授 Prof.	宮 崎 佳 典 Yoshinori Miyazaki	数値シミュレーション、e-Learning、数学&英語教育に応用したソフトウェア制作 Numerical Simulation, e-Learning, Software Development on Math & English Education	浜松 Hamamatsu
	教 授 Prof.	宮 崎 倫 子 Rinko Miyazaki	遅れを持つ微分方程式の定性論 Qualitative theory of delay differential equations	浜松 Hamamatsu
	教 授 Prof.	毛 利 出 Izuru Mori	非可換代数幾何学 Noncommutative Algebraic Geometry	静岡 Shizuoka

担 当 教 員 Academic Staff		教 育 研 究 分 野 Research Area	所 属 キャンパス
教 授 Prof.	森 田 純 哉 Junya Morita	認知モデリング, インタラクティブシステム, 知的認知支援, 生理／行動データ分析 Cognitive Modeling, Interactive System, Intelligent Cognitive Support, Physio-Behavioral data analysis	浜松 Hamamatsu
教 授 Prof.	遊 橋 裕 泰 Hiroyasu Yuhashi	デジタルマーケティング, サイバーフィジカルサービス, IoT Digital Marketing, Cyber Physical Service, IoT	浜松 Hamamatsu
教 授 Prof.	和 田 忠 浩 Tadahiro Wada	無線通信システム, 無線ネットワーク, 誤り訂正符号 Wireless Communication Systems, Wireless Networks, Error Correction Codes	浜松 Hamamatsu
准教授 Assoc.Prof.	一ノ瀬 元 喜 Genki Ichinose	複雑系, ネットワーク科学, 進化ゲーム Complex System, Network Science, Evolutionary Games	浜松 Hamamatsu
准教授 Assoc.Prof.	伊 藤 友 孝 Tomotaka Ito	ロボット制御, 制御工学, 福祉工学, 人間支援 Robotics, Control Engineering, Welfare technology, Human support	浜松 Hamamatsu
准教授 Assoc.Prof.	臼 杵 深 Shin Usuki	ナノ・マイクロ領域における3Dインプロセス計測とモデル化 Three dimensional in-process measurement and geometric modeling for the nano-micro manufacturing industry	浜松 Hamamatsu
准教授 Assoc.Prof.	大 木 哲 史 Tetsushi Oki	情報セキュリティ, 監視社会とプライバシー, 情報社会における本人性 Information Security, Privacy and Surveillance society, Identity Science	浜松 Hamamatsu
准教授 Assoc.Prof.	大 本 義 正 Yoshimasa Ohmoto	ヒューマンエージェントインタラクション, インタラクションデザイン, 人間の内部状態推定 Human-Agent Interaction, Interaction Design, Human State Estimation	浜松 Hamamatsu
准教授 Assoc.Prof.	大 森 隆 行 Takayuki Omori	ソフトウェア工学, ソフトウェア開発環境 Software Engineering, Software Development Environment	浜松 Hamamatsu
准教授 Assoc.Prof.	尾 張 正 樹 Masaki Owari	量子情報, 量子制御, 量子計算 Quantum Information, Quantum Control, Quantum Computation	浜松 Hamamatsu
准教授 Assoc.Prof.	甲 斐 充 彦 Atsuhiko Kai	音声情報処理(音声認識, 音声言語インタフェース), パターン情報処理 Speech Information Processing (Speech Recognition System, Spoken Language Interface), Pattern Information Processing	浜松 Hamamatsu
准教授 Assoc.Prof.	狩 野 芳 伸 Yoshinobu Kano	自然言語処理, テキストマイニング, 人工知能, 対話システム Natural Language Processing, Text Mining, Artificial Intelligence, Dialog System	浜松 Hamamatsu
准教授 Assoc.Prof.	木 谷 友 哉 Tomoya Kitani	コンピュータネットワーク, 高度交通システム, 二輪車情報学 Computer Networks, Intelligent Transport Systems, Bikeinformatics	浜松 Hamamatsu
准教授 Assoc.Prof.	金 鎮 赫 Kim Jin Hyuk	健康心理学, 健康情報学, デジタルヘルス Health Psychology, Health Informatics, Digital Health	浜松 Hamamatsu
准教授 Assoc.Prof.	小 林 祐 一 Yuichi Kobayashi	ロボット制御・行動計画, センサ情報処理, 画像処理, 無人車両 Robotics, Control and Motion Planning of Robot, Sensor Information Processing, Image Processing, Unmanned Vehicle	浜松 Hamamatsu

担 当 教 員 Academic Staff		教 育 研 究 分 野 Research Area	所 属 キャンパス
准教授 Assoc.Prof.	關 根 惟 敏 Tadatoshi Sekine	計算機援用工学, 電磁環境シミュレーション, 人工知能応用, 確率的モデル化 Computer-aided engineering (CAE), Electromagnetic compatibility (EMC) simulation, Artificial intelligence (AI) application, Stochastic modeling	浜松 Hamamatsu
准教授 Assoc.Prof.	立 蔵 洋 介 Yosuke Tatekura	音情報処理(音場制御・再生, 音声強調, 音源分離) Speech and Acoustic Information Processing (Sound Field Control and Reproduction, Speech Enhancement, Sound Source Separation)	浜松 Hamamatsu
准教授 Assoc.Prof.	西 田 昌 史 Masafumi Nishida	音声情報処理, 福祉情報工学, 行動信号処理 Speech Information Processing, Well-being Information Technology, Behavior Signal Processing	浜松 Hamamatsu
准教授 Assoc.Prof.	保 坂 哲 也 Tetsuya Hosaka	幾何学的群論 Geometric Group Theory	静岡 Shizuoka
准教授 Assoc.Prof.	MEJIA Diego	数理論理学, 強制法理論および実数直線上の組合せ論 Mathematical Logic, Forcing theory and combinatorics of the real line	静岡 Shizuoka
准教授 Assoc.Prof.	森 田 健 Takeshi Morita	素粒子論, 超弦理論, 重力理論, 理論物理 Theoretical Particle Physics, Superstring, Gravity, Theoretical Physics	静岡 Shizuoka
准教授 Assoc.Prof.	山 本 泰 生 Yamamoto Yoshitaka	データマイニング, ビッグデータ処理, 人工知能基礎 Data Mining, Big Data Processing, Foundations of Artificial Intelligence	浜松 Hamamatsu
准教授 Assoc.Prof.	弓 削 達 郎 Tatsuro Yuge	統計物理学, 量子物理学, 物性基礎論 Statistical Physics, Quantum Physics, Condensed Matter Physics	静岡 Shizuoka
准教授 Assoc.Prof.	依 岡 輝 幸 Yorioka Teruyuki	数理論理学, 強制法理論およびアレフ1上の組合せ論 Mathematical Logic, Forcing theory and combinatorics on the first uncountable cardinal	静岡 Shizuoka
講 師 Lecturer	石 川 翔 吾 Shogo Ishikawa	認知症情報学, 人工知能, 高齢社会デザイン Computer science and technology for human cognitive disorder, Artificial intelligence, Aging society design	浜松 Hamamatsu
講 師 Lecturer	沖 田 善 光 Yoshimitsu Okita	機能的食品によるヒトの生理機能の計測・解析, 健康科学 Physiological Measurement and Analysis for the Functional Foods and Drinks, Health Science	浜松 Hamamatsu
講 師 Lecturer	綱 川 隆 司 Takashi Tsunakawa	自然言語処理, 機械翻訳, 多言語処理, オーラル・テキストコミュニケーション Natural Language Processing, Machine Translation, Multilingual Processing, Oral and Text Communication	浜松 Hamamatsu
講 師 Lecturer	遠 山 紗 矢 香 Sayaka Tohyama	認知科学, 協調学習, プログラミング教育, STEM/STEAM教育 Cognitive science, Collaborative learning, Programming/Coding education, STEM/STEAM education	浜松 Hamamatsu

環境・エネルギーシステム専攻

Department of Environment and Energy System

※1: 令和6年3月退職予定/Scheduled to retire in March 2024

※2: 令和7年3月退職予定/Scheduled to retire in March 2025

※3: 令和8年3月退職予定/Scheduled to retire in March 2026

担 当 教 員 Academic Staff			教 育 研 究 分 野 Research Area	所 属 キャンパス
※2	教 授 Prof.	大 岩 孝 彰 Takaaki Oiwa	精密機械システム, 精密機構, 精密計測 Precision Machine System, Precision Mechanism and Precision Measurement	浜松 Hamamatsu
	教 授 Prof.	川 本 竜 彦 Tatsuhiko Kawamoto	沈み込み帯流体学, 地質学, 鉱物科学 Theory of subduction-zone fluids, Geology, Mineralogical Science	静岡 Shizuoka
	教 授 Prof.	北 村 晃 寿 Akihisa Kitamura	古海洋学, 古生物学, 第四紀学 Paleoceanography, Paleontology, Quaternary Research	静岡 Shizuoka
	教 授 Prof.	木 村 浩 之 Hiroyuki Kimura	地球微生物学、環境ジェノミクス、新エネルギー創成 Geomicrobiology, Environmental Genomics, Novel Energy Production	静岡 Shizuoka
※1	教 授 Prof.	金 原 和 秀 Kazuhide Kimbara	環境生物工学、微生物利用学 Environmental Biotechnology, Applied Microbiology	浜松 Hamamatsu
	教 授 Prof.	桑 原 不 二 朗 Fujio Kuwabara	熱流動における輸送現象 Transport Phenomena Associated with Heat and Fluid Flow	浜松 Hamamatsu
	教 授 Prof.	孔 昌 一 Chang Yi Kong	超臨界流体工学, 熱物性, ナノ炭素材料 Supercritical Fluids, Thermophysical Properties, Carbon Nanomaterials	浜松 Hamamatsu
	教 授 Prof.	佐 藤 慎 一 Shinichi Sato	現生古生態学, 保全古生物学 Actuopaleoecology, Conservation Paleobiology	静岡 Shizuoka
	教 授 Prof.	真 田 俊 之 Toshiyuki Sanada	流体工学, 混相流, 洗浄 Fluids Engineering, Multiphase Flow, Cleaning	浜松 Hamamatsu
	教 授 Prof.	島 村 佳 伸 Yoshinobu Shimamura	材料力学, 複合材料工学 Mechanics of Materials, Composite Materials	浜松 Hamamatsu
※3	教 授 Prof.	塚 越 哲 Akira Tsukagoshi	多様性生物学, 進化古生物学 Biodiversity, Paleobiology	静岡 Shizuoka
※2	教 授 Prof.	野 口 敏 彦 Toshihiko Noguchi	パワーエレクトロニクス Power Electronics	浜松 Hamamatsu
	教 授 Prof.	早 川 邦 夫 Kunio Hayakawa	塑性加工学, 損傷力学, 塑性加工プロセスシミュレーション, プロセス・トライボロジー Material Forming Processing, Damage Mechanics, Numerical analysis on forming process, Tribology on forming process	浜松 Hamamatsu
※3	教 授 Prof.	福 原 長 寿 Choji Fukuhara	反応工学, 触媒化学, 物理化学 Reaction Engineering, Catalysis Chemistry, Physical Chemistry	浜松 Hamamatsu

担 当 教 員 Academic Staff		教 育 研 究 分 野 Research Area	所 属 キャンパス
教 授 Prof.	藤 原 健 智 Taketomo Fujiwara	微生物生化学, 環境微生物学 Microbial Biochemistry, Environmental Microbiology	静岡 Shizuoka
教 授 Prof.	二 又 裕 之 Hiroyuki Futamata	応用環境微生物学、微生物生態学 Applied Environmental Microbiology, Microbial Ecology,	浜松 Hamamatsu
教 授 Prof.	Mobedi Moghtada	数値伝熱学、伝熱促進、蓄熱,Numerical heat transfer, heat transfer promotion, heat storage	浜松 Hamamatsu
教 授 Prof.	守 田 智 Satoru Morita	非線形動力学、数理生物学、複雑ネットワーク Nonlinear Dynamics, Mathematical Biology, Complex Networks	浜松 Hamamatsu
教 授 Prof.	王 権 Wang Quan	リモートセンシング学、生態モデル、環境変動 Remote Sensing, Ecological Modeling, Environmental Change	静岡 Shizuoka
准教授 Assoc.Prof.	朝 間 淳 一 Junichi Asama	磁気軸受, ベアリングレスモータ, パワーメカトロニクス Magnetic Bearing, Bearingless Motor, Power Mechatronics	浜松 Hamamatsu
准教授 Assoc.Prof.	石 橋 秀 巳 Hidemi Ishibashi	火成岩岩石学, マグマ物性, 火山学 Igneous petrology, Physical properties of magma, Volcanology	静岡 Shizuoka
准教授 Assoc.Prof.	大 矢 恭 久 Yasuhisa Oya	核融合炉化学、核エネルギーシステムの化学、 β 放射体の化学 Chemistry for nuclear fusion and nuclear energy system, Chemistry for beta-emission nuclides	静岡 Shizuoka
准教授 Assoc.Prof.	岡 島 いづみ Idzumi Okajima	超臨界流体工学, 化学工学 Supercritical Fluids, Chemical Engineering	浜松 Hamamatsu
准教授 Assoc.Prof.	菊 池 将 一 Shoichi Kikuchi	材料強度学, 金属疲労 Strength and Fracture of Materials, Fatigue of Metals	浜松 Hamamatsu
准教授 Assoc.Prof.	新 谷 政 己 Masaki Shintani	複合微生物集団における可動性遺伝因子の挙動に関する研究 Analyses of behaviors of mobile genetic elements in microbial consortia.	浜松 Hamamatsu
准教授 Assoc.Prof.	藺 部 礼 Sonobe Rei	リモートセンシング Remote Sensing	静岡 Shizuoka
准教授 Assoc.Prof.	近 田 拓 未 Takumi Chikada	核融合炉材料化学、先進エネルギーシステムの化学、水素同位体の化学 Fusion reactor material chemistry, Chemistry for advanced energy systems, Chemistry for hydrogen isotopes	静岡 Shizuoka
准教授 Assoc.Prof.	Dur Gaël	zooplankton, response, global change, pollution	静岡 Shizuoka
准教授 Assoc.Prof.	平 内 健 一 Kenichi Hirauchi	数物系科学 – 地球惑星科学 – 地質学 Mathematical and physical sciences – Earth and planetary science – Geology	静岡 Shizuoka
准教授 Assoc.Prof.	藤 井 朋 之 Fujii Tomoyuki	材料強度学 Strength and Fracture of Materials	浜松 Hamamatsu

担 当 教 員 Academic Staff		教 育 研 究 分 野 Research Area	所 属 キャンパス
准教授 Assoc.Prof.	松 井 信 Makoto Matsui	高温気体力学, プラズマ分光学, 宇宙推進工学, Space Propulsion System High Temperature Gas Dynamics, Plasma Spectroscopy	浜松 Hamamatsu
准教授 Assoc.Prof.	三 井 雄 太 Yuta Mitsui	固体地球変動の物理、地震・火山性地殻変動 Solid Earth Geophysics, Seismological and Volcanological deformation	静岡 Shizuoka
准教授 Assoc.Prof.	本 澤 政 明 Motozawa Masaaki	流体力学, 非ニュートン流体, 流体機能, 流動制御 Fluid engineering, Non-Newtonian fluid, Fluid function, Flow control	浜松 Hamamatsu
※3 准教授 Assoc.Prof.	矢 永 誠 人 Makoto Yanaga	放射性核種の環境動態, 放射線・化学物質影響科学 Dynamics of Radionuclides, Risk Sciences of Radiation and Chemicals	静岡 Shizuoka
准教授 Assoc.Prof.	吉 田 健 吾 Kengo Yoshida	塑性理論, 塑性加工学 Plasticity Theory, Metal Forming	浜松 Hamamatsu
准教授 Assoc.Prof.	渡 部 綾 Watanabe Ryo	触媒化学, 反応工学, 物理化学 Catalysis Chemistry, Reaction Engineering, Physical Chemistry	浜松 Hamamatsu

バイオサイエンス専攻
Department of Bioscience

※1:令和6年3月退職予定/Scheduled to retire in March 2024
※2:令和7年3月退職予定/Scheduled to retire in March 2025
※3:令和8年3月退職予定/Scheduled to retire in March 2026

担 当 教 員 Academic Staff		教 育 研 究 分 野 Research Area	所 属 キャンパス
教 授 Prof.	栗 井 光 一 郎 Koichiro Awai	光合成生物の脂質生理学 Physiological functions of lipids in photosynthetic organisms	静岡 Shizuoka
教 授 Prof.	丑 丸 敬 史 Takashi Ushimaru	細胞周期, 細胞成長, ストレス応答, プロテオミクス Cell Cycle, Cell Growth, Stress Response and Proteomics	静岡 Shizuoka
教 授 Prof.	加 藤 竜 也 Tatsuya Kato	効率的組換えタンパク質生産を可能にするカイコバイオテクノロジー Silkworm Biotechnology for efficient recombinant protein production	静岡 Shizuoka
教 授 Prof.	木 村 洋 子 Yoko Kimura	タンパク質の品質管理機構の研究 Analyses of Protein Quality Control	静岡 Shizuoka
教 授 Prof.	木 寄 暁 子 Akiko Kozaki	植物環境応答の分子メカニズム Molecular mechanism of plant responded to environmental factors.	静岡 Shizuoka
教 授 Prof.	小 谷 真 也 Shinya Kodani	抗生物質生産の研究 Research on antibiotic production	静岡 Shizuoka
教 授 Prof.	鈴 木 雅 一 Masakazu Suzuki	脊椎動物の生理機構および環境適応機構, 内分泌器官の形態形成と機能 Physiology of vertebrates: molecular and environmenatal considerations, Morphogenesis and function of endocrine glands	静岡 Shizuoka
教 授 Prof.	竹之内 裕 文 Hirobumi Takenouchi	哲学, 倫理学, 死生学 philosophy, ethics, thanatology	静岡 Shizuoka
教 授 Prof.	徳 元 俊 伸 Toshinobu Tokumoto	卵成熟・排卵の分子メカニズムの解明 Molecular Mechanism of Oocyte Maturation and Ovulation	静岡 Shizuoka
教 授 Prof.	轟 泰 司 Yasushi Todoroki	タンパク質の機能を制御する小分子の創製 Development of Small Molecule Modulators of Protein Function	静岡 Shizuoka
※2 教 授 Prof.	富 田 因 則 Motonori Tomita	ゲノムワイド関連解析による米麦の遺伝子探索と遺伝的改変 Gene Identification and Genetic Modification of Rice and Wheat by Genome-Wide Association Study	静岡 Shizuoka
※1 教 授 Prof.	朴 龍 洙 Enoch Y. Park	生物機能の革新的応用によるナノマテリアルの創製 Development of Nanomaterials by Application of Inovatative Biological Function	静岡 Shizuoka
教 授 Prof.	原 正 和 Masakazu Hara	植物における環境ストレスタンパク質 Study on Environmental Stress Protein in Plants	静岡 Shizuoka

担 当 教 員 Academic Staff		教 育 研 究 分 野 Research Area	所 属 キャンパス
教 授 Prof.	平 井 浩 文 Hirofumi Hirai	白色腐朽担子菌の有するリグニン分解能及び環境汚染物質分解能に関する生化学及び分子生物学的研究 Biochemical and Molecular Biological Studies on Degradation of Lignin and Xenobiotics by White-rot Fungi	静岡 Shizuoka
教 授 Prof.	本 橋 令 子 Reiko Motohashi	植物のプラスチドの機能解明、分子育種 Functional analyses of plastids in plants, Molecular breeding	静岡 Shizuoka
※1 教 授 Prof.	山 崎 昌 一 Masahito Yamazaki	生体膜および膜タンパク質・細胞骨格の生物物理学 Biophysics of Biomembranes, Membrane Proteins, and Cytoskeleton	静岡 Shizuoka
教 授 Prof.	山 本 歩 Ayumu Yamamoto	ゲノム動態の分子メカニズム Molecular mechanism of genome dynamics	静岡 Shizuoka
准教授 Assoc.Prof.	大 吉 崇 文 Takanori Oyoshi	疾患に関係するDNAやRNAが形成する局所構造の機能解明 Functions of DNA and RNA local conformations related with disease	静岡 Shizuoka
※2 准教授 Assoc.Prof.	茶 山 和 敏 Kazutoshi Sayama	新生児の免疫機能に対する母乳中の免疫関連物質の役割に関する研究、種々の疾病に対する食品成分の生理学的機能性 Role of immunochemical components in milk on immune function in neonates, Physiological function of food constituents to various diseases	静岡 Shizuoka
准教授 Assoc.Prof.	崔 宰 熏 Jae-Hoon Choi	植物成長調節物質に関する化学生物学的研究 Chemical and biological studies on plant-growth regulators	静岡 Shizuoka
准教授 Assoc.Prof.	長 尾 遼 Ryo Nagao	光合成光捕集機構の機能構造解析と微細藻類のバイオマス増産に関する研究 Functional and structural analysis of photosynthetic light-harvesting and production of algal biomass	静岡 Shizuoka
准教授 Assoc.Prof.	森 智 夫 Toshio Mori	木材腐朽菌の機能、および木材腐朽菌と細菌間相互作用に関する基礎的・応用的研究 Basic and application studies on function of wood rot fungi and wood-rot fungal-bacterial interactions.	静岡 Shizuoka
准教授 Assoc.Prof.	宮 崎 剛 亜 Takatsugu Miyazaki	糖質関連酵素の構造生物学的研究および応用研究 Structural Biology and Application of Carbohydrate-active Enzymes	静岡 Shizuoka
准教授 Assoc.Prof.	村 田 健 臣 Takeomi Murata	生理活性糖鎖分子の構造と機能に関する化学生物学的研究 Chemical and Biological Studies on the Structure and Functions of Physiologically Active Glycans and Glycoconjugates	静岡 Shizuoka
助 教 Assist.Prof.	後 藤 寛 貴 Hiroki Goto	昆虫類の多様な形態を創出する進化発生機構に関する研究 Evolution and developmental biology on diversity of insect morphology	静岡 Shizuoka