

平成 27 年度  
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

2015

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

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 FOREIGN STUDENTS

国立大学法人 静岡大学

GRADUATE SCHOOL OF SCIENCE AND TECHNOLOGY  
SHIZUOKA UNIVERSITY  
SHIZUOKA, JAPAN

## **Vision**

### ***Freedom and enlightenment. Creation of the future.***

By promoting the highest standard of education and creative research, Shizuoka University makes a difference and makes its presence felt in close collaboration with local communities and society at large. For a detailed overview of our commitment and vision for the future, refer to Shizuoka University's PDF-format brochure and statement [http://www.shizuoka.ac.jp/rinen/vision\\_policy.pdf](http://www.shizuoka.ac.jp/rinen/vision_policy.pdf).

## **Mission**

### 1. Teaching for the future:

Shizuoka University will provide students with in-depth knowledge that meets world-class standards so that they can become responsible citizens of tomorrow who are prepared to meet complex international challenges with an indefatigable spirit and concern for all humanity.

### 2. Commitment to research

Shizuoka University strives to contribute to worldwide peace and human happiness through the pursuit of excellence in humanities and biological and physical sciences.

### 3. Contribution to the local community

Shizuoka University recognizes the importance of a strong bond to the local community and will explore innovative methods of becoming an indispensable resource in reinventing community life.

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

## **Shaping our students**

We train high-tech engineers and researchers who learn 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 objectives**

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 enabling 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.

## **Type of students we are looking for**

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 take on tough issues, and
- who demonstrate leadership coupled with a cooperative spirit in dealing with all kinds of situations.

## **Nature, capability needed for entrance**

Qualified candidates for the Graduate School of Science and Technology, Education Division are those who have completed or are expected to complete a Master's Degree or a Professional Degree, and those who are recognized as having a scholastic aptitude equal to or higher than a Master's degree. In the selection examination for general, working, and foreign students, applicants are given an achievement test and an oral exam relevant to the presentation of the Master's thesis or research record, as well as those related to basic subjects of the applicant's major in a previously-completed graduate course.

Through this selection process, the applicants are assessed for their ability to carry out the study and research in the Doctoral course. The graduate school is looking 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 take on tough issues, and (3) who demonstrate leadership coupled with a cooperative spirit in dealing with various situations. Oral exams administered in the selection process are designed to evaluate the aforementioned personal qualities and aptitude as well as academic abilities required in doctoral study.

# Student Admission Guide (April Admission, 2015)

General Course, Course for Working Students, Course for Foreign Students

## 1. Admission Policy

### **Department of Nanovision Technology**

A new research field will be created by uniting the engineers of image science and researchers of nano science. The nano field control of individual photon and electron will be introduced for the first time in the world in the image science, which will be called "Nanovision Science". The objective of creating this field will be to rear students so that they will be able to contribute strongly in the development of industries as engineers and researchers. They will be judged on the basis of their ability, academic achievement, suitability, etc.

### **Department of Optoelectronics and Nanostructure Science**

The aim of the department is to develop your professional capabilities to innovate in future technologies and to take part in the initiative activities based on controlling of materials function and interaction between photons and nanostructure materials in the field of expanding industry such as communication, measurements and chemical industries thorough a knowledge of fundamental sciences and applying them to their practical purposes. The applicants are required to provide their ability, scholarship and aptitude for achieving the admission policy.

### **Department of Information Science and Technology**

Department of Information Science and Technology aims based on informatics, engineering and basic sciences to educate specialized researchers who develop novel basic information technologies and advanced engineers of information systems with outstanding abilities of information techniques. Applicants are examined from the view point of academic abilities for the policy.

### **Department of Environment and Energy System**

The application of basic principles and equations dealing with water, air, and solid and hazardous wastes; material and energy balances; and chemical and biogeochemical cycles for solving environmental issues. Topics include synthesis courses of water treatment, environmental change and biogeochemical cycles, analysis of ecosystems, geomicrobiology, CO<sub>2</sub> sequestration, and environmental legislation. Our goal is new innovative science and technology, through lectures and discussions linking a broad range of scientific and engineering topics.

### **Department of Biosciences**

The department provides education and training to the students by conducting frontier researches directed to basic bioscience and biotechnology, on the basis of cell biology, developmental biology, integrative biology, biophysics, microbiology, genomics, biotechnology, bioorganic chemistry, food science, and bioinformatics, being expected to take the initiative in the academic and scientific research leaders with entrepreneurship in the new bioindustrial areas.

## 2. Qualifications for Application (Requirements)

- (1) Persons who have completed a Master's Degree or a Professional Degree.
- (2) Persons who are expected to complete a Master's Degree or a Professional Degree by March 31, 2015.
- (3) Persons who have completed a Master's Degree or a Professional Degree outside of Japan or those who are expected to complete one by March 31, 2015.
- (4) Persons who have studied in a correspondence course of a foreign school in Japan and have completed a Master's Degree or a Degree equal to a Professional Degree or those who are expected to complete one by March 31, 2015.
- (5) Persons who have completed the course of 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, Japan, such as a postgraduate course in a foreign country or those who are expected to complete one by March 31, 2015.  
The postgraduate course above must be from an educational institution recognized by the school education system in the country where it is located.
- (6) Persons who have qualifications approved by the Ministry of Education, Culture, Sports, Science and Technology of Japan (see Remark 2).
- (7) Persons who are recognized by our graduate school as having scholastic aptitude equal to or higher than that of a Master's holder through an individual evaluation of admission qualification and who are over 24 years old by March 31, 2015. (Those who were born before April 1, 1991)
- (8) Person who completes course of the United Nations university established based on the United Nations general assembly resolution on December 11, 1972 that provides to Article 1 clause 2 of special measures law (No.72 of law in 1976) according to execution of agreement of association union and Japanese country concerning the United Nations university headquarters, and gives degree that corresponds to degree of master.
- (9) Persons who have passed the Qualifying Examination, or persons who have completed the curricula in a university abroad, have passed an examination equivalent to the Qualifying Examination, and are considered as having the academic aptitude equal to or higher than a Master's Degree.

(Remark 1) Applicants who intend to apply in accordance with Qualification (6) or (7) are required to submit to an Individual Evaluation of Application Qualification before submitting Application Documents for Admission.

See "13. Individual Evaluation of Application Qualification" on page 8.

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

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

If you have any questions, please contact the Graduate School Office (see 15. Information).

### 3. Admission Capacity

Department	Admission Capacity	General Selection	Selection for Working Students	Selection for Foreign Students
Nanovision Technology	A few people	A few people	A few people	A few people
Optoelectronics and Nanostructure Science	〃	〃	〃	〃
Information Science and Technology	〃	〃	〃	〃
Environment and Energy System	〃	〃	〃	〃
Bioscience	〃	〃	〃	〃
Total	〃	〃	〃	〃

Refer to “The list of Supervising Professors and Research-and-Education Subject in the Graduate School of Science and Technology, Educational Division” on page 11. In order to understand our graduate school, we strongly recommend to visit our web page:

<http://gsst.shizuoka.ac.jp/en/>

#### 4. Selection Procedure

Selection will be carried out on the basis of a presentation of the applicant's Research Record/Master's thesis, oral exam and application documents. Applicants are required to give a presentation of his/her Master's thesis or research record and to take an oral exam about the presentation and subjects which 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 research conducted after the Master's Degree. A liquid crystal projector is available. However, applicants should prepare a personal computer including any software and others.

#### 5. Date of Examination and Place

Date	Time	Subjects	Examination Place
January 23 (Friday), 2015	Details will be provided to each applicant	Oral Examination	Hamamatsu Campus 3-5-1 Johoku, Naka-ku, Hamamatsu, Shizuoka  Shizuoka Campus 836 Oya, Suruga-ku, Shizuoka

\* The Examination will be taken place at the campus where the intended supervisor works on.  
Details will be provided to each applicant.

#### Transportation

##### Hamamatsu Campus:

From the North Exit of JR Hamamatsu Station, take a bus from bus-stop No.15 and get off at "Shizuoka Daigaku (静岡大学)" (approximately 20 minutes). Note that all line buses from bus-stop No.15 go to Shizuoka University.

##### Shizuoka Campus:

From the North Exit of JR Shizuoka Station, take the No.8 Miwa-Ohya line and get off at the final bus-stop "Shizuoka-Daigaku(静岡大学)", or get off at bus-stop "Katayama (片山)" or "ShizuDai-Mae (静大前)" (approximately 30 minutes).

#### 6. 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 university.
- (5) Official Certificate of Achievement for graduate studies issued by the graduate school.
- (6) Official Certificate of Graduation from graduate school issued by the graduate school or an official letter of certification from the graduate school at which the applicant is currently enrolled, stating the expected graduation date or an official certificate of having passed the Qualifying Examination. Applicants intending to apply in accordance with Qualification (6) or (7) must submit Academic Records certified by the university from which the applicant graduated most recently. (See 13. Individual Evaluation of Application Qualification on page 9.)
- (7) Applicants intending to apply in accordance with Qualification (1), (3), (4), (5) or (8) and who have a Master's Degree or Professional Degree must submit a copy of their Master's thesis or the summary in English, on 2-pages of A4-size paper. Applicants who have a record of research should append a Summary of Research and Technological Achievement in English. Fill in the form provided, maximum 1,200 words. Applicants intending to apply in accordance with Qualification (2) or (4), and who are expected to complete Master's Degree 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 or patents, etc., if any, should also be submitted additionally.
- (8) Permission for Examination written by the chief (or other responsible person) of the applicant's place of employment if he/she works for a public office or company. Fill in the form provided.
  - (9) A stamped self-addressed envelope for the Result Notification. Write the applicant's name, address and ZIP code on a No.3 envelope (12.0 cm x 23.5 cm) with 360 Japanese Yen (JPY) postage.
  - (10) Application Fee: 30,000 JPY.  
Transfer "30,000 JPY" to a bank account of Shizuoka University. In order to have the account number applicants must contact the Graduate School Office (see 15. Information). Please keep a "transfer certificate" until you receive a "Certificate of Application Fee Payment from Shizuoka University".  
Once the application is received, application fee will not be returned under any circumstance. Students expected to complete the Master's Program of the Graduate School of Shizuoka University in March, 2015, need not pay the application fee.  
An application fee is not required for applicants going through the Individual Evaluation of Application Qualification (6) or (7). The result of the evaluation will be sent to the applicant by December 12, (Friday), 2014. Successful applicants in the Individual Evaluation are required to pay the fee for the selection. Instructions for paying the fee will be included with the result notification.
  - (11) Return Seal. Write an address to receive the Examination Card and the result notification on the form provided.
  - (12) Applicants to the selection for working students are required to submit a Record of Research and Technological Achievements. Fill in the form provided.  
A letter of recommendation written by the chief (or other responsible person) of the applicant's place of employment, if any.
  - (13) A copy of passport where applicants' name, photo, birth date, sex, and signature are shown. (INTERNATIONAL STUDENTS only).

## 7. Application Period

Submission must be made by registered mail. Documents must arrive before the application deadline.

Application documents must be sent early enough for them to have been arrived by the deadline. Late applications and incomplete documents will not be accepted. Be careful to avoid omissions or errors in writing.

- (1) Applicants who intend to apply in accordance with Qualification (1), (2) or (9) and those who have met Qualification (6) or (7) by Individual Qualification:

**From December 12 (Friday) to December 18 (Thursday), 2014.**

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

**From November 21 (Friday) to November 28 (Friday), 2014.**

In order qualifications to be checked, early submission is required. If you have any questions, please contact the Graduate School Office (see 15. Information).

## 8. Address for Submission of Application Documents

Graduate School Office, Graduate School of Science and Technology, Shizuoka University,  
3-5-1 Johoku, Naka-ku, Hamamatsu 432-8011, Japan  
TEL (+81)53-478-1350  
FAX (+81)53-478-1359  
E-MAIL: oknara@ipc.shizuoka.ac.jp

## 9. Submission Procedure

Applicants must collect the documents identified above, and send them by REGISTERED MAIL (such as EMS) or bring them to the Graduate School Office in the above.

Please write clearly in red "Application Documents for the Graduate School of Science and Technology, Education Division" on the front of the envelope.



## 10. Announcement of Successful Applicants

At 10:00 on February 12 (Thursday), 2015, the successful applicants' exam numbers will be posted on the public notice boards of both Faculty of Science, Shizuoka, and the Graduate School of Science and Technology, Hamamatsu. Notification will also be sent by mail to all the applicants.

## 11. Admission Procedures

Successful applicants should complete the admission procedure by the following date. Instruction for the admission procedure will be sent.

- (1) Registration Period and Payment:  
Registration Period: Middle to late in March, 2015. The detail will be informed.
- (2) Method of Registration: Mail to the Graduate School Office (see 8. Address for Submission).

Notice of Payment:

- a Admission fee must be paid when completing the admission procedures.
- b Students expected to complete the Master's Program of the Graduate School of Shizuoka University in March, 2015, need not pay the admission fee.

- (3) Admission Fee and Tuition

Admission Fee: ¥282,000 (actual for 2014).

Tuition: ¥535,800 for the year (¥267,900 for a semester) (actual for 2014).

Note:

- a If tuition for the previous term has not been paid by admission day, it must be paid between April 1 and April 30, 2015.
  - b If you need to withdraw from school after enrolling any time up to March 31, 2015, 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 circumstance.
  - c Tuition and other fees assessed by Shizuoka University are standardized and determined by the Ministry of Education, Culture, Sports, Science and Technology (MEXT).
  - d 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.
  - e If MEXT raises the "Standard Tuition Rate for 2015" prior to March 31, 2015, the additional amount (the difference between what you have already paid and the increased rate) shall be withdrawn from the your designated account in October 2015.
- (4) Exception from Payment of Admission and Tuition Fees and System for the Prolonged Course Period
    - a Exception from Payment of Admission and Tuition Fees  
In case of lower income than a certain level at the admission it may be possible that the exception rule from payment of admission and tuition fees to be applied to the student. The details of this system will be informed prior to the admission process. If there are any questions, please contact to the Graduate School Office (see 15. Information).
    - 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 year because of his/her job. By the student's application he/she may engage in the study for six years scheduled. The tuition fees may be specially considered when the system is accepted. The application to the system is evaluated and judged by the university. The details of this system will be informed prior to the admission process. If there are any questions, please contact to the Graduate School Office (see 15. Information).

## 12. Important Remarks

- (1) Students expected to complete the Master's Program of the Graduate School of Shizuoka University in March, 2015 must complete Admission Procedures in spite of Notice of Payment 11. (3).
- (2) Submission of documents must be made by 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 change of description after the submission of documents will not be accepted, however, change of address should be informed to the Graduate School Office.
- (4) Requests for an Application Form by mail should be sent to the Graduate School Office (see 8. Address for Submission). "Application Form of 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 Qualification (3), (4), (5), and (8) have to submit the required document prior to the application period as mentioned 7. (2) for qualifying and checking the application document.

### 13. Individual Evaluation of Application Qualification

Those who intend to apply in accordance with Qualification (6) or (7) are required to submit to an individual evaluation of their scientific ability in relation to Qualifications for Application. The evaluation is done to judge the scholastic aptitude of application based on documents applicants. If you have any questions, please contact the Graduate School Office (see 8. Address for Submission).

(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 the university.
- c Official Certificate of Achievement from undergraduate school issued by the most recently attended the university.
- d Summary of Research and Technological Achievements. Fill in the form provided.
- e Record of Research and Technological Achievements. Fill in the provided format.
- f Copies of any academic research publications, academic presentations or patents, etc. if any, should also be submitted.
- g A stamped self-addressed envelope for the Result Notification. Write the applicant’s name, address and ZIP code on a No.3 envelope (12.0 cm x 23.5 cm)

(2) Application Period

**From November 21 (Friday) to November 28 (Friday), 2014.**

Applications must be submitted by the deadline by registered mail to the Graduate School Office (see 8. Address for Submission) by the applicants.

Late applications and incomplete documents will not be accepted. Be careful to avoid omissions or errors in writing

(3) Notification of the Result

By December 12 (Friday), 2014, the result will be sent by mail to all the applicants.

(4) Application Period and Application Documents

Successful applicants in Individual Evaluation of Application Qualification must complete the submission procedures described from 6. Application Documents to 9. Submission Procedure. The following materials are required and submission must be made by mail. Instructions for submission will be included with the result notification. Note that the application period is from December 12 (Friday) to December 18 (Thursday), 2014.

- a Application Form for Entrance Examination. Complete the form provided.
- b Examination Card and Photo ID Card. Complete the form provided and attach a photo taken within 3 months of the date of submission.
- c Research Plan. Fill in the form provided.
- d Permission for Examination written by the chief (or other responsible person) of the applicant’s employment if he/she works for a public office or company. Fill in the form provided.
- e A letter of recommendation written by the chief (or other responsible person) of the applicant’s employment, if any.
- f Application Fee : 30,000 JPY.
- g Return Seal. Write an address to receive the result notification on the form provided.
- h A copy of passport where applicants’ name, photo, birth date, sex, and signature are shown. (INTERNATIONAL STUDENTS only).
- i A Self-addressed Envelope for the Notification: Write a return address (the applicant’s name, address and ZIP code) on a No.3 envelope (12.0 cm x 23.5 cm).

### 14. Special Exam Procedures for Applicants with Disabilities

Applicants with disabilities who require special considerations in taking exams and attending school must meet with the school for an interview before the student applies, so please submit the

following form. We will contact you as soon as a determination is made based on the interview. We recommend that all new student applicants with disabilities actually visit the campus before applying to examine the school facilities and campus in person.

**15. Information**

Graduate School Office, Graduate School of Science and Technology, Shizuoka University,  
3-5-1 Johoku, Naka-ku, Hamamatsu 432-8011, Japan  
TEL (+81)53-478-1350  
FAX (+81)53-478-1359  
E-MAIL: oknara@ipc.shizuoka.ac.jp

General information for the Graduate School of Science and Technology, Shizuoka University, Japan, is available at:

<http://gsst.shizuoka.ac.jp/en/>

**16. Notes**

Personal information submitted for the application is used only for the following purpose, 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.

平成27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:平成28年3月退職

※2:平成29年3月退職

※3:平成30年3月退職

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.	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.	猪川 洋 Hiroshi Inokawa	ナノデバイスを用いた回路・システム集積化の研究 Research on Integrated Nanodevices for Circuits and Systems	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
※1 教授 Prof.	大坪 順次 Junji Ohtsubo	ナノフォトニクス, 非線形フォトダイナミクス, 情報フォトニクス Nanophotonics and Nonlinear Dynamics in Photonics, Information Photonics	浜松 Hamamatsu
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
教授 Prof.	川田 善正 Yoshimasa Kawata	ナノイメージング, 光ナノ加工, 光制御を目的としたナノフォトニクス Nanophotonics for Nanometric Imaging, Optical Fabrication, and Optical Control	浜松 Hamamatsu
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
※1 教授 Prof.	田部 道晴 Michiharu Tabe	半導体ナノデバイスとその光応答 Semiconductor Nanodevices and Their Photoresponse	浜松 Hamamatsu
※3 教授 Prof.	永津 雅章 Masaaki Nagatsu	プラズマを用いたナノ構造材料プロセス Nano-structured Material Processing with Plasmas	浜松 Hamamatsu
※2 教授 Prof.	中本 正幸 Masayuki Nakamoto	真空ナノテクノロジー, NEMS, FED, カーボンナノチューブの電界 電子放出機構と光物性 Vacuum Nano-technology, NEMS, FEDs, Field Emission Mechanisms and Luminescence of Carbon Nano-tubes	浜松 Hamamatsu
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.	廣本 宣久 Nori-hisa Hiromoto	テラヘルツ・赤外線技術の研究 Study on Terahertz and Infrared Technology	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
教授 Prof.	三村 秀典 Hidenori Mimura	ナノビジョンサイエンスの創成を目指したナノ電子源と光電子材料の研究 Nano-field Emitters and Opto-electronic Materials for Nanovision	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. 池田 浩也 Hiroya Ikeda	赤外線イメージ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	浜松 Hamamatsu
准教授 Assoc.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
准教授 Assoc.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
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. 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
准教授 Assoc.Prof. 香川 景一郎 Kagawa Keiichiro	情報光学, 高機能CMOSイメージセンサ, 処理・撮像融合 Information photonics, functional CMOS image sensor, sensing-sensing fusion	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. 渡邊 実 Minoru Watanabe	光情報処理, 集積回路工学, 光電子融合デバイス, FPGA Optical Information Processing, Very-Large-Scale Integrated Circuit (VLSI), Optoelectronic Device, Field Programmable Gate Array (FPGA)	浜松 Hamamatsu
講師 Assist.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

## 光・ナノ物質機能専攻

Department of Optoelectronics and Nanostructure Science

※1: 平成28年3月退職

※2: 平成29年3月退職

※3: 平成30年3月退職

担当教員 Academic Staff		教育研究分野 Research Area	所属 キャンパス
教授 Prof.	板垣 秀幸 Hideyuki Itagaki	高分子固体およびゲルの機能化とその分子レベル評価 Functionalization and Its Molecular-level Assessment of Polymer Solids and Gels	静岡 Shizuoka
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, 非線形レーザー顕微鏡, 光情報処理 High Dense Optical Storage System, Nonlinear Optical Microscope, Optical Information Processing	浜松 Hamamatsu
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.	喜多 隆介 Ryusuke Kita	酸化物高温超伝導体材料の作製および評価 Synthesis and Characterization of Oxide High-Tc Superconductors	浜松 Hamamatsu
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
※2 教授 Prof.	小林 健吉郎 Kenkichiro Kobayashi	発光デバイス材料の物理と化学 Physics and Chemistry of Materials for Light Emitting Devices	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	表面波センサやアクチュエータの開発 Developments of Sensors and Actuators Using Surface Wave Devices	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
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.	坂本 健吉 Kenkichi Sakamoto	有機ケイ素化学を基盤とする機能性材料 Functional Materials Based on Organosilicon Chemistry	静岡 Shizuoka
教授 Prof.	鈴木 久男 Hisao Suzuki	液相法による機能性薄膜及びナノ粒子の合成と物性制御 Chemical Processing of Ferroelectric Thin Films and Nano-hybrid Particles	浜松 Hamamatsu
教授 Prof.	田坂 茂 Shigeru Tasaka	高分子表面および界面の物理的性質 Physical Properties of Polymer Surfaces and Interfaces	浜松 Hamamatsu
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
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
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	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.	早川 泰弘 Yasuhiro Hayakawa	エネルギーデバイス関連高品質材料の結晶成長に関する研究 Crystal growth of energy-related high quality materials	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
※3 教授 Prof.	前田 康久 Yasuhisa Maeda	機能材料の光電気化学, 光電極・光触媒による水の浄化 Photoelectrochemistry of Functional Materials, Water Purification by Photoelectrode and Photocatalyst	浜松 Hamamatsu
教授 Prof.	間瀬 暢之 Nobuyuki Mase	グリーンケミストリーとプロセス化学に基づいた有機化学における反応・合成手法の開発と応用 Development of organic synthetic methodology based on process and green chemistry	浜松 Hamamatsu
教授 Prof.	三重野 哲 Tetsu Mieno	ナノチューブ, フラーレンなどのナノ物質材料の合成, 物性および応用。新しいプラズマプロセスング研究。 Production, Analysis and Application of Nano-materials Such as Nanotubes and Fullerenes. Development of new plasma-processing methods.	静岡 Shizuoka
教授 Prof.	村上 健司 Kenji Murakami	色素増感太陽電池と応力発光体等の次世代光素子材料及びナノスケール機器分析 Following-generation Photonic-device Materials Such as Dye-sensitized Solar Cells and Mechanoluminescent Materials, and Nano-scale Instrumental Analyses	浜松 Hamamatsu
教授 Prof.	依田 秀実 Hidemi Yoda	微量生命維持物質構築を目指す新方法論開発と合成戦略, 新規化学酵素設計と生命反応論の解明。 Development and Total Synthesis of Biologically Active Materials. Design of New Chemzymes and Application to Catalytic Asymmetric Reactions	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 functional ceramics thin films through physical vapor deposition	浜松 Hamamatsu
准教授 Assoc.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
准教授 Assoc.Prof.	木下 治久 Haruhisa Kinoshita	プラズマを用いた非晶質窒化炭素膜の作製とデバイス応用 Formation of a-CN <sub>x</sub> :H Films Using Plasma, and Their Device Applications	浜松 Hamamatsu
准教授 Assoc.Prof.	下村 勝 Masaru Shimomura	表面・界面における原子スケールでの構造制御 Controlling Surface and Interface Structures on Solid Materials in Atomic Scale	浜松 Hamamatsu
准教授 Assoc.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
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 Tomita Yasumasa	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.	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
准教授 Assoc.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
准教授 Assoc.Prof.	山中 正道 Masamiti Yamanaka	有機合成化学に基づく自己集合ナノ構造体の開発 Development of Self-assembled Nanoarchitecture Based on Synthetic Organic Chemistry	静岡 Shizuoka

担当教員 Academic Staff	教育研究分野 Research Area	所属 キャンパス
准教授 李 洪 譜 Assoc.Prof. Hongpu Li	非線形光学, 光ファイバデバイス, 光情報処理 Nonlinear Optics, Optical Fiber Devices, Optical Information Processing	浜松 Hamamatsu



# 情報科学専攻

Department of Information Science and Technology

※1:平成28年3月退職

※2:平成29年3月退職

※3:平成30年3月退職

担当教員 Academic Staff		教育研究分野 Research Area	所属 キャンパス	
教授 Prof.	浅井 秀樹 Hideki Asai	SI/PI/EMC設計のための三次元モデリングとシミュレーション 3-dimensional modeling & simulation for SI/PI/EMC design	浜松 Hamamatsu	
教授 Prof.	浅芝 秀人 Asashiba Hideto	多元環の表現論, 多元環の導来同値分類 Representation theory of algebras, Derived equivalence classification of algebras	静岡 Shizuoka	
※1	教授 Prof.	漁田 武雄 Takeo Isarida	エピソード記憶における環境的文脈依存効果 Environmental context-dependent effect in episodic memory	浜松 Hamamatsu
※1	教授 Prof.	梶 博行 Hiroyuki Kaji	自然言語処理 Natural Language Processing	浜松 Hamamatsu
教授 Prof.	熊野 善介 Yoshisuke Kumano	科学教育学・理科教育学・STEM教育改革論・e-learning開発論 ・エネルギー環境教育論・授業研究・学習評価論 Science Education, STEM Education Action Research, E-learning Development, Energy & Environmental Education, Lesson Study, Authentic Assessment,	静岡 Shizuoka	
教授 Prof.	桑原 義彦 Yoshihiko Kuwahara	アンテナ・伝搬, 電波応用システム, 電磁界解析 Antennas and Propagation, Radio Application System, Electromagnetic Analysis	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.	酒井 三四郎 Sanshiro Sakai	ソフトウェア開発環境, 協調学習, プログラミング学習 Software Development Support Environment, Computer Supported Collaborative Learning, Programming Learning	浜松 Hamamatsu	
教授 Prof.	佐治 斉 Hitoshi Saji	リモートセンシング, 画像処理, 防災研究 Remote sensing, Image processing, Disaster prevention research	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.	清水 扇丈 Senjo Shimizu	非圧縮粘性流体の自由境界問題の数学的解析 Mathematical Analysis of Free Boundary Problems of Viscous Incompressible Flows	静岡 Shizuoka	
教授 Prof.	鈴木 信行 Nobu-Yuki Suzuki	非古典述語論理, Kripke意味論 Non-classical Predicate Logics, Kripke Semantics	静岡 Shizuoka	
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	
※2	教授 Prof.	杉浦 敏文 Toshifumi Sugiura	認知脳科学, ストレス計測, 心理評価, 脳深部温度計測 Cognitive and Brain Sciences, Stress Measurement, Brain Temperature Measurement	浜松 Hamamatsu
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, Verbal Communication, Human-Agent Interaction	浜松 Hamamatsu	
※2	教授 Prof.	竹林 洋一 Yoichi Takebayashi	認知症情報学, 高齢社会デザイン, 常識と感情 Dementia Informatics, Aging Society Design, Commonsense and Emotion	浜松 Hamamatsu

担当教員 Academic Staff	教育研究分野 Research Area	所属 キャンパス
※3 教授 Prof. 竹前 忠 Tadashi Takemae	生体計測 Biomedical Measurement	浜松 Hamamatsu
教授 Prof. 舘岡 康雄 Yasuo Tateoka	技術経営、経営戦略、支援学、複雑系、組織変革 Management of Technology, Management Strategy, SHIEN Management, Complex System, and Organizational Reform	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
※2 教授 Prof. 中井 孝芳 Takayoshi Nakai	音声情報処理(音声生成モデル, 音声分析, 音声合成), デジタル信号処理 Speech Information Processing: Speech Production Model, Speech Analysis, and Speech Synthesis Digital Signal Processing	浜松 Hamamatsu
※2 教授 Prof. 中谷 広正 Hiromasa Nakatani	画像情報処理, ユーザーインタフェース Visual Information Processing Systems, Human Computer Interaction	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. 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
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. 宮崎 倫子 Miyazaki Rinko	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 Mori Izuru	非可換代数幾何学 Noncommutative Algebraic Geometry	静岡 Shizuoka
准教授 Assoc.Prof. 朝日 弓未 Yumi Asahi	マーケティング, Webマーケティング, 消費者行動分析, 行動科学, Marketing, Web Marketing, Consumer behavior analysis, Behavioral science	浜松 Hamamatsu
准教授 Assoc.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
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
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. 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. 桐山 伸也 Shinya Kiriyama	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
准教授 Assoc.Prof. 小林 祐一 Yuichi Kobayashi	ロボットの認識・制御, 行動学習・認知発達ロボティクス, 最適制御・最適化 Recognition and Control of Robot, Motion Learning and Cognitive Developmental Robotics, Optimal Control and Optimization	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. 土屋 麻人 Tsuchiya Asato	素粒子論、高エネルギー物理学、場の量子論、弦理論 Theoretical Particle Physics, High Energy Physics, Quantum Field Theory, String Theory	静岡 Shizuoka
准教授 Assoc.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
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. 峰野 博史 Hiroshi Mineno	ユビキタスセンサネットワーク、コンシューマデバイス&システム、データサイエンス Ubiquitous Sensor Network, Consumer Device & System, Data Science	浜松 Hamamatsu
准教授 Assoc.Prof. 宮崎 佳典 Yoshinori Miyazaki	数値シミュレーション, e-Learning, 数学&英語教育に活用したソフトウェア制作 Numerical Simulation, e-Learning, Software Development on Math & English Education	浜松 Hamamatsu
准教授 Assoc.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
講師 Assist.Prof. 沖田 善光 Yoshimitsu Okita	機能性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 Assist.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
講師 Assist.Prof. 横山 昌平 Shohei Yokoyama	データベース, Web工学, 地理情報システム, 可視化 Database, Web engineering, Geographic information system, Visualization	浜松 Hamamatsu

**環境・エネルギーシステム専攻**  
Department of Environment and Energy System

※1: 平成28年3月退職  
 ※2: 平成29年3月退職  
 ※3: 平成30年3月退職

担当教員 Academic Staff		教育研究分野 Research Area	所 属 キャンパス	
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	
※2	教授 Prof.	加藤 憲二 Kenji Kato	地球環境微生物学, 微生物生態学 Environmental Microbiology, Microbial Ecology	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.	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 Fujiro Kuwabara	熱流動における輸送現象 Transport Phenomena Associated with Heat and Fluid Flow	浜松 Hamamatsu	
※3	教授 Prof.	齋藤 隆之 Takayuki Saito	混相系複雑流体工学, 光応用環境流体計測, 二酸化炭素対策技術開発 Turbulent Multiphase Flow, Fluid Dynamics Measurement via Advance Optical Devices, Development of CO <sub>2</sub> Sequestration System	浜松 Hamamatsu
※2	教授 Prof.	佐古 猛 Takeshi Sako	廃棄物処理・リサイクル, グリーンケミストリー Waste Treatment and Recycling, Green Chemistry	浜松 Hamamatsu
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	
教授 Prof.	東郷 敬一郎 Keiichiro Tohgo	材料強度学, 破壊力学, 複合材料工学, 材料工学 Mechanics and Strength of Materials, Fracture Mechanics, Composite Materials, Materials Science	浜松 Hamamatsu	
※2	教授 Prof.	中山 顕 Akira Nakayama	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.	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 Material Forming Processing, Damage Mechanics	浜松 Hamamatsu	
教授 Prof.	福田 充宏 Mitsuhiro Fukuta	冷凍工学, 流体機械, エネルギー変換 Refrigerating Engineering, Fluid Machinery, Energy Conversion	浜松 Hamamatsu	
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.	Beatriz Estela Casareto	海洋生物学, 微生物学, 微生物食物網, 海洋バイオマス marine biology, microbiology, microbial food webs, marine biomass	静岡 Shizuoka	
※2	教授 Prof.	増田 俊明 Toshiaki Masuda	地球内部環境論 Environmental Sciences of the Earth's Interior	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. 道林克禎 Katsuyoshi Michibayashi	構造地質学, 構造物理学, 地殻およびマントルのレオロジー Structural Geology, Tectonophysics, Rheology of Crust and Mantle	静岡 Shizuoka
教授 Prof. 森下 祐一 Yuichi Morishita	鉱床学, 同位体地質学, 二次イオン質量分析法 Ore geology, Isotope geology, Secondary ion mass spectrometry	静岡 Shizuoka
教授 Prof. 横沢 正幸 Masayuki Yokozawa	生態系のモデル解析, 生態系の環境応答, 気候変化影響 Ecological Modeling, Response to Environmental Change, Climate Change Impacts	浜松 Hamamatsu
教授 Prof. 吉村 仁 Jin Yoshimura	進化生態学の理論とモデル Mathematical Theories and Models in Evolutionary Ecology	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. 木村 浩之 Hiroyuki Kimura	地球微生物学, 環境ジェノミクス Geomicrobiology, Environmental Genomics	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, $\beta$ 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. 孔 昌一 Chang Yi Kong	超臨界流体工学, 物性, ナノ炭素材料 Supercritical Fluids, Physical Properties, Carbon Nanomaterials	浜松 Hamamatsu
准教授 Assoc.Prof. 真田 俊之 Toshiyuki Sanada	流体工学, 混相流, 洗浄 Fluids Engineering, Multiphase Flow, Cleaning	浜松 Hamamatsu
准教授 Assoc.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
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

バイオサイエンス専攻  
Department of Bioscience

※1:平成28年3月退職  
※2:平成29年3月退職  
※3:平成30年3月退職

担当教員 Academic Staff		教育研究分野 Research Area	所属 キャンパス
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.	河岸 洋和 Hirokazu Kawagishi	菌類由来の2次代謝産物の化学的研究 Chemical Studies on Secondary Metabolites from Fungi	静岡 Shizuoka
教授 Prof.	塩尻 信義 Nobuyoshi Shiojiri	肝臓形成の分子メカニズム Developmental Signaling and Morphogenesis	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 environmental considerations, Morphogenesis and function of endocrine glands	静岡 Shizuoka
教授 Prof.	瀧川 雄一 Yuichi Takikawa	植物病原細菌の分類同定および進化 Taxonomy and Evolution of Plant Pathogenic Bacteria	静岡 Shizuoka
教授 Prof.	竹之内 裕文 Takenouchi Hirobumi	哲学, 倫理学, 死生学 philosophy, ethics, thanatology	静岡 Shizuoka
教授 Prof.	徳元 俊伸 Toshinobu Tokumoto	魚類, 両生類の卵成熟・受精の分子メカニズムの解析 Molecular Mechanism of Oocyte Maturation and Fertilization	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
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
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 Innovative 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
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.	森田 達也 Tatsuya Morita	ルミナコイド(難消化性糖類)の栄養生理作用 Physiology of Luminacoids (Dietary Indigestible Components)	静岡 Shizuoka
教授 Prof.	山内 清志 Kiyoshi Yamauchi	両生類の分子生物学 Molecular Biology of Amphibians	静岡 Shizuoka
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
※1 教授 Prof.	渡辺 修治 Naoharu Watanabe	花芽誘導物質, 植物香気成分の生合成 Biosynthesis of Flower-Inducing Compounds and Plant Volatiles	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. 栗井 光一郎 Koichiro Awai	光合成生物の脂質分子生理学 Molecular Physiology of Lipids in Photosynthetic Organisms	静岡 Shizuoka
准教授 Assoc.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
准教授 Assoc.Prof. 茶山 和敏 Kazutoshi Sayama	乳腺組織および細胞の内分泌学的・免疫学的機能, 種々の疾病に対する食品成分の生理学的機能性 Endocrinological and Immunological Study on Mammary Gland, Physiological Function of food constituents to Various Diseases	静岡 Shizuoka
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. 平田 久笑 Hisae Hirata	植物病原微生物の感染における分子機構 Molecular mechanism responsible for infection of plant pathogen	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