APPLICATION GUIDELINES
for AY 2026・2027

Doctoral Program
Graduate School of System Informatics
Kobe University

These application guidelines apply to
the following entrance examinations:

Starting in October 2026 (Round 3)
Starting in April 2027 (Round 1,2 and 3)
Starting in October 2027 (Round 1 and 2)

Schedule for the Doctoral Program Entrance Examinations to be Held in the 2026 Academic Year

(1)Round 3, 2026（Starting in October 2026）/
Round 1, 2027（Starting in April 2027）

Period for application registration and payment of the application fee	Wednesday, July 15, 2026 at 12:00 a.m. to Friday, July 24, 2026 at 4:59 p.m.	
Application documents submission period	By mail	Wednesday, July 15, 2026 at 12:00 a.m. to Friday, July 24, 2026 at 4:59 p.m.
	If you bring your application to the counter	Tuesday, July 21, 2026 at 12:00 a.m. to Friday, July 24, 2026 at 4:59 p.m.
Interview date	Thursday, August 27, 2026	
Announcement of successful applicants	Friday, September 4, 2026 at 10:00 a.m. (scheduled)	

(2)Round 2, 2027（Starting in April 2027）/
Round 1, 2027（Starting in October 2027）

Period for application registration and payment of the application fee	Tuesday, October 27, 2026 at 12:00 a.m. to Thursday, November 5, 2026 at 4:59 p.m.	
Application documents submission period	By mail	Tuesday, October 27, 2026 at 12:00 a.m. to Thursday, November 5, 2026 at 4:59 p.m.
	If you bring your application to the counter	Friday, October 30, 2026 at 12:00 a.m. to Thursday, November 5, 2026 at 4:59 p.m.
Interview date	Wednesday, December 2, 2026	
Announcement of successful applicants	Tuesday, December 15, 2026 at 10:00 a.m.(scheduled)	

(3)Round 3, 2027（Starting in April 2027）/
Round 2, 2027（Starting in October 2027）

Period for application registration and payment of the application fee	Friday, December 25, 2026 at 12:00 a.m. to Friday, January 8, 2027 at 4:59 p.m.	
Application documents submission period	By mail	Friday, December 25, 2026 at 12:00 a.m. to Friday, January 8, 2027 at 4:59 p.m.
	If you bring your application to the counter	Tuesday, January 5, 2027 at 12:00 a.m. to Friday, January 8, 2027 at 4:59 p.m.
Interview date	Tuesday, January 26, 2027	
Announcement of successful applicants	Tuesday, February 9, 2027 at 10:00 a.m.(scheduled)	

(Note)
All dates and times indicated in this student application guideline are in Japan Standard Time (JST).

About Kobe University Graduate School of System Informatics

Degrees Offered by the Graduate School of System Informatics, Kobe University

A Doctor of Philosophy in System Informatics, a Doctor of Philosophy in Engineering, a Doctor of Philosophy in Computational Science, or a Doctor of Philosophy will be granted upon completion of the Doctoral Program of the Graduate School of System Informatics.

Admission Policy of the Graduate School of System Informatics, Kobe University

The Graduate School of System Informatics engages in research and education in the fields of systems technologies, information technologies, and computational technologies, focusing on system information (significant information that exists in a broad range of systems, including nature, engineering, and society) to create and expand new academic disciplines, in order to conceive new knowledge and values. The Graduate School hopes to train people possessing great creativity and a cosmopolitan outlook in order to contribute towards this objective. For this purpose, the Graduate School is committed to enrolling students from a wide range of backgrounds, not only from Japan but also from overseas.

Doctoral Program

●Applicants are sought with the following qualities and abilities:

The Doctoral Program of the Graduate School of System Informatics hopes to enroll students who meet one of the following criteria:

1. Students who have studied system technology, information technology, computational technology, or similar technology at an engineering- or informatics-related faculty or graduate school.
   [Required competences: knowledge of and technical ability in engineering, interest, and motivation]

2. Students who demonstrate a strong interest and enthusiasm for applying and expanding the application of technology (such as system, information, and computational technologies) to the various fields of science, including medicine, humanities, or social science.
   [Required competences: critical thinking, good judgement, expression, initiative, cooperativeness, interest, and motivation]

3. Students who are rich in creativity and ideas demonstrate logical thinking skills and are strongly motivated toward creating and developing new fields in system informatics.
   [Required competences: critical thinking, good judgement, expression, interest, and motivation]

●Basic Policy for the Selection of Students:

In order to select students demonstrating the qualities above, in line with the Diploma Policy and Curriculum Policy of the Doctoral Program of the Graduate School of System Informatics, the Graduate School assesses various competencies in the entrance examination below.

The general entrance examination is mainly designed to assess “knowledge and technique,” “critical thinking, good judgment, and expression,” “initiative and cooperativeness,” and “interest and motivation.”

In addition, the Graduate School of System Informatics Doctoral Program welcomes working adults, such as those who have conducted and published research at a company, laboratory, or the like.

(Admissions inquiries for the Doctoral Program of the Graduate School of System Informatics)

Academic Affairs Section, Faculty and Graduate School of System Informatics,
Kobe University
1-1, Rokkodai-cho, Nada-ku, Kobe, Hyogo 657-8501
Tel: +81(0)78-803-6002
E-mail: csi-kyomugakusei@office.kobe-u.ac.jp
Web page of the Graduate School of System Informatics: https://www.csi.kobe-u.ac.jp/
Website of Kobe University: https://www.kobe-u.ac.jp/

As the application is to be submitted online, please pay attention to the following points when applying:

- **Please allow plenty of time for registration because of the large amount of information required.**
- **You will need a computer, printer, e-mail address, photo data, and PDF data of the application documents.**
  - **＊ Please use an e-mail address that you can check on a daily basis, as important information regarding the entrance examination will be sent to the e-mail address you have registered.**
- **Please confirm the payment method of the application fee and the submission method of the application documents well in advance.**
  - **＊ Some application documents require original copies to be submitted by mail or other means.**

Table of Contents

***If there are any changes to the content of "Divisions, Research Topics, and Faculty Members," updated information will be posted separately on the Graduate School of System Informatics website.**

I General Admission Guidelines of the Doctoral Program of the Graduate School of System Informatics

Application Guidelines for the Doctoral Program of the Graduate School of System Informatics, Kobe University

1. Departments and the Number of Students to be Accepted

Department	No. of Students					
	Starting in October, 2026	Starting in April, 2027			Starting in October, 2027	
	Round 3	Round 1	Round 2	Round3	Round 1	Round 2
System Informatics	A few	12	A few	A few	A few	A few

2. Qualification for Applicants

Applicants must currently meet one of the following requirements or be eligible to meet one of these requirements by March 31, 2027.

(1) Those who have obtained a master's degree or a professional degree.
(2) Those who have obtained a degree equivalent to a master's degree or a professional degree in a foreign country.
(3) Those living in Japan who have completed a correspondence course in a foreign-affiliated educational institution and obtained a degree equivalent to a master's degree.
(4) Those who have completed their education in a foreign-affiliated university within a school educational system of a foreign country in Japan and designated by the Minister of Education, Culture, Sports, Science and Technology, limited to those who have obtained a degree equivalent to a master's degree or a professional degree.
(5) Those who have been conferred a degree equivalent to a master's degree from the United Nations University which was promulgated by the General Assembly of the United Nations on December 11, 1972 and in accordance with the Agreement between Japan and the United Nations concerning the Act on Special Measures Incident to Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University (1976, Resolution 72, Article 1, Item 2)
(6) Those who have completed the curricula at a foreign university, an educational institution which is designated under Item 4, or the United Nations University and are recognized as having academic abilities equivalent or superior to those given a master's degree by passing the examination and screening which are equivalent to the ones stipulated in Article 16, paragraph (2) of the Standards for Establishment of Graduate Schools (under Ministry of Education, Culture, Sports, Science and Technology Ordinance No. 28, 1974).
(7) Those who are approved by the Minister of Education, Culture, Sports, Science and Technology (under Minister of Education, Culture, Sports, Science and Technology Public Notice No. 118, 1989).
(8) Those who are 24 years of age or older and are recognized by Eligibility Screening as having academic abilities equivalent or superior to those given a master's degree or a professional degree.

【Note 1】 In the above, read "March 31, 2027" as "September 30, 2026" if you are applying to enroll in October 2026, and read it as "September 30, 2027" if you are applying to enroll in October 2027.

【Note 2】 Those who intend to apply under the requirement (7) or (8) above should refer to "9." Eligibility Screening" because they are subject to screening prior to their applications.

3. Application Procedures

Please follow the procedures in the order of [1] and [2] below.

[1] Application registration and payment of the application fee on the Online Application website

Online Application website: **https://e-apply.jp/ds/kobe-u/**

Entrance Examination	Period for application registration and payment of the application fee
Starting in October 2026 (Round 3)	Wednesday, July 15, 2026 at 12:00 a.m. to Friday, July 24, 2026 at 4:59 p.m.
Starting in April 2027 (Round 1)	
Starting in April 2027 (Round 2)	Tuesday, October 27, 2026 at 12:00 a.m. to Thursday, November 5, 2026 at 4:59 p.m.
Starting in October 2027 (Round 1)	
Starting in April 2027 (Round 3)	Friday, December 25, 2026 at 12:00 a.m. to Friday, January 8, 2027 at 4:59 p.m.
Starting in October 2027 (Round 2)	

Application registration and payment of the application fee are available on the web page of the Graduate School of System Informatics.
(https://www.csi.kobe-u.ac.jp/exam/doctor/2026/2026doctor_exam.html)

Please refer to the "Online Application Procedure" and "Online Application Site Entry Guide" posted on the Graduate School of System Informatics web page to register your application and pay the application fee.

Follow the instructions on the Online Application website to register your application information, and upload the documents that are marked with an "✓" in the "Procedures on the Online Application website" column in the "List of Application Documents" on the next page.

If you have any problems in accessing the Online Application website, please contact the Academic Affairs Section of the Graduate School of System Informatics.

[2] Submission of Application Documents

Documents marked with "✓" in the "Hard copy submission" column in the "List of Application Documents" on the next page must be submitted by mail or brought to the application counter during the application period.

Send or submit application documents to:

Academic Affairs Section
Graduate School of Systems Informatics
Kobe University
1-1 Rokkodai-cho, Nada-ku, Kobe 657-8501, Japan
Tel: +81(0)78-803-6002

Entrance Examination	Application Document Submission Period	
	By mail	If you bring your application to the counter
Starting in October 2026 (Round 3)	Wednesday, July 15, 2026 at 12:00 a.m. to Friday, July 24, 2026 at 4:59 p.m.	Tuesday, July 21, 2026 at 12:00 a.m. to Friday, July 24, 2026 at 4:59 p.m.
Starting in April 2027 (Round 1)		
Starting in April 2027 (Round 2)	Tuesday, October 27, 2026 at 12:00 a.m. to Thursday, November 5, 2026 at 4:59 p.m.	Friday, October 30, 2026 at 12:00 a.m. to Thursday, November 5, 2026 at 4:59 p.m.
Starting in October 2027 (Round 1)		
Starting in April 2027 (Round 3)	Friday, December 25, 2026 at 12:00 a.m. to Friday, January 8, 2027 at 4:59 p.m.	Tuesday, January 5, 2027 at 12:00 a.m. to Friday, January 8, 2027 at 4:59 p.m.
Starting in October 2027 (Round 2)		

≪By mail≫

・After completing the application registration and payment of the application fee on the Online Application website, print out in color the "Address Label for Application" on page 3 of the "Application Form" displayed on the My Page of the Online Application website, paste it into a square 2-size envelope, and enclose the hard copy documents listed in the "List of Application Documents".

・Please send by registered express mail.

≪If you bring your application to the counter≫

Hours: 9:30 a.m. to 4:00 p.m.

(Except Saturdays, Sundays, holidays and from noon to 1:00 p.m. on weekdays)

After completing the application registration and payment of the application fee, please print out the "Address Label for Application" on page 3 of the "Application Form" displayed on the My Page of the Online Application website, and submit it together with the hard copy documents listed in the "List of Application Documents".

List of application documents

Application documents		Required for the following applicants	Procedures on the Online Application website	Hard copy submission	Notes
(A)	Photograph data	All applicants	✓	✓	Please upload photograph data according to the instructions on the Online Application website. The photo must be taken within three months prior to application, showing a front view of your upper body, without a hat and with a plain background. Accepted file formats are JPEG, PNG, BMP, or HEIC. The uploaded photo will be used on your ID for the examination, and identity verification will be conducted at the time of the examination. If the photo has been altered or edited to the extent that it is difficult to confirm that it a photo of you, you may not be allowed to continue with the examination. Enclose also one photograph for your student ID (3 cm × 2.4 cm; taken within three months prior to application, showing a front view of your upper body, without a hat and with a plain background.
(B)	Certificate of (prospective) graduation of a master's degree program of graduate school (master's course)	Applicants applying under Eligibility Criteria (1), (2), (3), (4), or (5)	—	✓	If the graduation certificate indicated above does not show the degree you obtained, please submit a certificate of degree as well. Not required if the applicants are currently enrolled in the Graduate

					School of System Informatics of Kobe University as non-degree seeking research students. *For certificates related to Chinese universities, refer to (5) in the [Notes].
(C)	Academic transcript（1）	All applicants	—	✓	Academic performance record created by the head of faculty or the president of the university you graduated from.
(D)	Academic transcript（2）	Applicants applying under Eligibility Criteria (1), (2), (3), (4), or (5)	—	✓	Academic performance record created by the head of department or the president of the graduate school you graduated from. Not required if the applicants are currently enrolled in the Graduate School of System Informatics of Kobe University as non-degree seeking research students.
(E)	Entrance exam fee: 30,000 Japanese yen	All applicants	✓	—	Please complete the payment through the Online Application website. Any transfer fees must be borne by the applicant. Japanese government-sponsored international students who will continue to be so after enrollment do not have to pay the fee. In addition, special measures will be taken to exempt applicants affected by severe disasters from the examination fee. For details, please check the Kobe University website.
(F)	Certificate of Japanese Government-sponsored International Student	Only applicable individuals	—	✓	Those who are currently receiving a scholarship from the Government of Japan and will continue to be Japanese government-sponsored international students after enrollment are required to submit the“Certificate of Japanese Government-sponsored International Student” from the university you are currently enrolled (unless you are a student of Kobe University).

Application documents			Required for the following applicants	Procedures on the Online Application website	Hard copy submission	Notes
(G)	Master's thesis ＊Any reference material may be submitted along with either (a) or (b).	(a) A copy of your master's thesis	Applicants who have completed a master's degree program (master's course)	✓【File Upload 1】(.pdf)	―	Written either in Japanese or in English. If not available, please contact the Academic Affairs Section of Graduate School of System Informatics in advance and follow the instructions you will be provided.
		(a) Summary of master's thesis		✓【File Upload 2】(.pdf)	―	A set of copies of the outline written in both Japanese (approx. 2,000 characters) and English (approx. 1,200 words). Please combine both the Japanese and English texts into a single file. For foreign applicants, an English copy alone is sufficient.
		(b) Research progress report	Applicants who are expected to complete a master's degree program (master's course) or have succeeded in eligibility screening	✓【File Upload 3】(.pdf)	―	A set of copies of the report written in both Japanese (approx. 2,000 characters) and English (approx. 1,200 words) (A4). For foreign applicants, an English copy alone is sufficient.
		Reference data	All applicants	✓【File Upload 4】(.pdf)	―	Upload any other reference materials not listed above.
(H)	Research proposal		All applicants (except successful applicants of eligibility screening)	✓【File Upload 5】(.pdf)	―	A copy of A4 report written in Japanese (approx. 2,000 characters) or English (approx. 1,200 words) ,indicating the details of your intended research and field.
(I)	Resident Certificate		International applicants (Only for those residing in Japan)	✓【File Upload 6】(.pdf)	―	Foreign applicants should upload a resident Certificate in PDF format which is issued by the local municipality (valid for 30 days from issue date.) (Please make a PDF of the scanned or photographed copy of the certificate of residence.).

〔Note〕

(1) No changes are allowed in the application documents once they have been received. The entrance exam fee will not be returned to an applicant except in cases where the applicant did not apply or the application was not accepted.

(2) The certificates submitted must be the originals, and no photocopy of the certificate will be acceptable. Make sure that documents created in a foreign language other than English are accompanied by a Japanese translation or English translation with the translation accreditation issued by a public institution such as the diplomatic facilities of Japanese or foreign governments.

(3) Applicants should input a desired faculty member from the "Divisions, Research Topics, and Faculty Members" and indicate his/her name on the Online Application website. Without the desired faculty member's name, the application documents will not be accepted. Also, **applicants should closely contact the expected academic supervisor and create a research proposal.**

(4) For those who submit a certificate of prospective graduation, please submit a certificate of graduation when you enroll. If the certificate does not show the degree you obtain, please submit a certificate of degree as well.

(5) When submitting a "Certificate of Completion (or Expected Completion) from a Chinese Graduate School," please submit the certificate as follows:

●Graduates

In addition to the original graduation certificate issued by your former graduate school, please apply to have the electronic verification email for the English Master's Degree Certificate (Online Verification Report of Higher Education Degree Certificate) from the China Higher-education Information and Student Information (CHSI) website sent directly to the Graduate School of System Informatics, Kobe University.

●Prospective Graduates

Submit the original Certificate of Expected Graduation issued by your former graduate school at the time of application. After graduation and obtaining your master's degree, promptly apply to have the English-language master's degree certificate (Online Verification Report of Higher Education Degree Certificate) from the China Higher-education Information and Student Information (CHSI) website sent directly to the Graduate School of System Informatics, Kobe University via electronic verification email.

* Admission may be revoked if the verification certificate is not received by the time of enrollment. Additionally, please submit the original degree completion certificate by the enrollment deadline.

○ Email address for electronic verification: eng-kyomugakusei@office.kobe-u.ac.jp

* Forwarding of the electronic verification email received by the applicant themselves is not permitted.

<Notes on CHSI Certification>

*It may take a considerable amount of time from the application for certification to the shipment of the documents. Please apply well in advance, as processing may take even longer during long holiday periods.

*If you have previously submitted the same certificate to the Graduate School of System Informatics, Kobe University, you do not need to submit it again.

4. ID for the Examination

Please download your ID for the examination from the My Page section of the Online Application website.

You will receive a notification email at the email address registered on the Online Application website once the ID becomes available for download.

Print the downloaded ID for the examination in color and bring it with you on the day of the exam.

If you do not receive the notification email by the following deadline, please contact the Academic Affairs Section.

Entrance Examination	Deadline
Starting in October 2026 (Round 3)	Thursday, August 20, 2026
Starting in April 2027 (Round 1)	
Starting in April 2027 (Round 2)	Wednesday, November 25, 2026
Starting in October 2027 (Round 1)	
Starting in April 2027 (Round 3)	Tuesday, January 19, 2027
Starting in October 2027 (Round 2)	

5. Screening Methods

Admission will be determined based on the results of academic examination together with the submitted documents.

The academic examination will consist of an oral examination and interview.

(1) Content of a master's thesis or research progress report
Examined as to whether or not the applicant has basic academic skills required for the course.

(2) English capability (for applicants who graduated from a foreign university, both English and Japanese language skills are examined)
Examined as to whether or not the applicant has language skills required for the course.

(3) Content of research proposal
Examined as to whether or not the research plan meets the doctoral degree to be awarded.

6. Date and Place for the Interviews

Entrance Examination	Date	Place	Remark
Starting in October, 2026 (Round 3)	**Thursday, August 27, 2026**	Graduate School of System Informatics Building, Kobe University	Applicants will be notified of time and place for the interview by referring to the "Notification for Students" which will be sent to the email address registered on the online application website when the ID for the Examination is issued.
Starting in April, 2027 (Round 1)			
Starting in April, 2027 (Round 2)	**Wednesday, December 2, 2026**		
Starting in October, 2027 (Round 1)			
Starting in April, 2027 (Round 3)	**Tuesday, January 26, 2027**		
Starting in October, 2027 (Round 2)			

【Access to Kobe University Graduate School of System Informatics Building】
Hanshin Mikage Station, JR Rokkomichi Station, or Hankyu Rokko Station.
Kobe City Bus No. 16 (bound for Rokko Cable)
Shindai Kokusai Bunka Gaku Kenkyuka Mae, 5 min on foot to Rokkodai Campus

For those who have difficulty in meeting at the indicated date and place above for special reasons, a remote interview might be permitted and provided through the internet. Applicants wishing to be interviewed remotely must apply to the expected academic supervisor and receive a written permit before submitting the application form.

7. Announcement of Successful Applicants

Entrance Examination	Date
Starting in October 2026 (Round 3)	**Friday, September 4, 2026 at 10:00 a.m.(scheduled)**
Starting in April 2027 (Round 1)	
Starting in April 2027 (Round 2)	**Tuesday, December 15, 2026 at 10:00 a.m.(scheduled)**
Starting in October 2027 (Round 1)	
Starting in April 2027 (Round 3)	**Tuesday, February 9, 2027 at 10:00 a.m.(scheduled)**
Starting in October 2027 (Round 2)	

You can check the selection results on your My Page on the Online Application website.
*Inquiries will not be accepted via telephone.

8. Admission Procedures

(1) Admission procedures period and admission documents

The admission procedure period is scheduled for the following deadline. The details will be mailed to each successful applicant by the following date with necessary documents for the procedure. Please be aware that late submission of admission procedures will not be accepted under any circumstances, including but not limited to user errors, misinterpretation of the results, device issues, or network problems.

Entrance Examination	Admission procedure period	Timing of notification
Starting in October 2026 (Round 3)	mid-September 2026	early -September 2026
Starting in April 2027 (Round 1)	mid-March 2027	late-February 2027
Starting in April 2027 (Round 2)		
Starting in October 2027 (Round 1)		
Starting in April 2027 (Round 3)	mid-September 2027	early -September 2027
Starting in October 2027 (Round 2)		

(2) Fees

Division		In Japanese yen	Remark
Admission fee		282,000	Admission fee should be paid during the admission procedure period.
Tuition fee	Per semester	267,900	Refer to the “General Information for Successful Applicants” which will be sent in late February 2027. ［In case the tuition is revised, the new fee is applied from the time of the revision.］
	Annual total	535,800	

（Note 1） The amounts quoted above apply to 2026.

（Note 2） In the above, read "late February 2027" as "late August 2026" if you are applying to enroll in October 2026, and read it as "late August 2027" if you are applying to enroll in October 2027 .

〔Note〕

(1) The admission of applicants who fall under the following items may be revoked.
 (A) Applicants who made a false declaration
 (B) Applicants who did not meet the qualification requirements
(2) If you do not pay the admission fee by the deadline, you will be deemed to have declined admission.

(3) The admission fee already paid will not be returned for any reason.
(4) Admission fee and tuition fee are not required for Japanese government-sponsored international students who will continue to be so after enrollment.

9. Eligibility Screening

Those who intend to apply under the requirements "2. Eligibility Screening (7) or (8)" will be screened by the following documents submitted.

（1） Documents necessary for screening

(A) Application Form for Examination of Qualification: the application form designated by the Graduate School of System Informatics.
(B) Graduation certificate created by the head of faculty or the president of the university you graduated from.
(C) Curriculum Vitae: the form designated by the Graduate School of System Informatics.
(D) History of research: created by immediate manager or representative of education/research institute or company where the research was conducted. If such a certification is unavailable, an application written by the applicant can substitute it. Use the form designated by the Graduate School of System Informatics.
(E) Research experience (A4): the outline of a thesis that is "an equivalent of a master's thesis". A set of copies written in both Japanese (approx. 2,000 characters) and English (approx. 1,200 words), with a cover sheet designated by the Graduate School of System Informatics. For foreign applicants, an English copy alone is sufficient.
(F) Materials of research achievements: Index of thesis and separate print (photocopy acceptable), which are the basis of the research achievements, along with references of other achievements, if any. In case of collaborative research, attach the material clearly indicating the portion the applicant was in charge.
(G) Research proposal (A4): a copy of a report indicating the field and research the applicant would like to explore, written either in Japanese (approx. 2,000 characters) or English (approx. 1,200 words) with a cover sheet designated by the Graduate School of System Informatics.
(H) A self-addressed envelope (23.5cm long×12cm wide with a 410 yen stamp)

Note that those who have completed a 6-year course of medical college, dental college, or veterinary medicine are not required to submit the abovementioned (D), (E) and (F).

Please download the application forms and other designated documents from the web page of the Graduate School of System Informatics.
（https://www.csi.kobe-u.ac.jp/exam/doctor/2026/2026doctor_exam.html）

(2) Period and place for submission

Your application documents must be submitted in person or mailed (simple registered mail marked "Application Form for Examination of Qualification for the Doctoral Program of Graduate School of System Informatics" in red on the envelope) by the following deadline, to the Academic Affairs Section of the Graduate School of System Informatics.
Office hours (for those who hand in): Monday through Friday: 9:00-11:30 a.m. & 1:00-4:00 p.m.

Entrance Examination	Deadline
Starting in October 2026 (Round 3)	Tuesday, June 9, 2026
Starting in April 2027 (Round 1)	
Starting in April 2027 (Round 2)	Monday, October 5, 2026
Starting in October 2027 (Round 1)	
Starting in April 2027 (Round 3)	Friday, December 4, 2026
Starting in October 2027 (Round 2)	

(3) Announcement of the screening results

Successful applicants will be notified of the result by the following date.

Entrance Examination	Date
Starting in October 2026 (Round 3)	Tuesday, June 30, 2026
Starting in April 2027 (Round 1)	
Starting in April 2027 (Round 2)	Tuesday, October 20, 2026
Starting in October 2027 (Round 1)	
Starting in April 2027 (Round 3)	Tuesday, December 15, 2026
Starting in October 2027 (Round 2)	

10. Others

1. Admission Fee Payment Exemption

The details will be announced via the website of Kobe University.
https://www.kobe-u.ac.jp/en/study_in_kobe/tuition/about_exemption_enrollment.html

2. Admission Fee Payment Deferral

The details will be announced via the website of Kobe University.
https://www.kobe-u.ac.jp/en/study_in_kobe/tuition/about_exemption_enrollment.html

3. Tuition Fee Payment Exemption

The details will be announced via the website of Kobe University.
https://www.kobe-u.ac.jp/en/study_in_kobe/tuition/about_exemption_tuition.html

4. Handling of personal information

(1) Kobe University complies with legislation such as the "Act on the Protection of Personal Information, Act No. 57 of May 30, 2003" in using applicants' personal information, and handles it based on the "Guideline on the Control of Personal Information Held by Kobe University."

(2) Personal information including the individual results of screening shall be used for screening (application procedures, conducting screening), announcement of successful applicants, admission procedures, future screening methods, and surveys/research aimed at improving university education. The results of these surveys/research will be published without information that could identify specific individuals.

(3) The personal information of enrolled students provided for the application will be used for supporting the students after enrollment (health management, tuition fee exemption or scholarship application), educational purposes (registration, academic instruction), tuition-fee related matters, and other corresponding work.

(4) Part of these operations may be outsourced to an agency (hereafter referred to as "Agency"). In cases where operations are outsourced, all or part of the personal information provided will be provided to such an Agency under a nondisclosure obligation within a certain limit necessary for the Agency to execute the operations.

5. Control and Prevention of Infectious Diseases

*if you are applying to enroll in October 2026, please substitute the information accordingly as noted.

Submission of a certificate demonstrating inoculation and an antibody test against measles and rubella: Kobe University has implemented the *Measles and Rubella Registration Policy*, and all newly enrolled Kobe University students must submit <u>one of the following three certificates (①, ②, or ③)</u> to prevent a possible outbreak of measles and rubella on campus.

① A vaccination certificate to prove that you have received two doses each of the measles and rubella vaccine after turning one year old (recommended)

② A vaccination certificate to prove that you were inoculated with measles and rubella vaccines each within the last five years (since April 2022).

③ An antibody certificate to prove that you have sufficient antibody titer in your blood (refer to the chart next page) to prevent the development of measles and rubella, based on the results of an antibody test performed within the last five years (since April 2022)

＊ For ① and ②, a combined vaccine against measles and rubella (e.g., MR vaccine) is permissible.

＊ For ① and ②, the certificate must be issued by an accredited medical institution and state the type of vaccine and the date of inoculation.

＊ If you have a history of measles or rubella, please submit ③ or receive a vaccination and submit ① or ②.

＊ For ③, the certificate must specify the measuring method and the measured values of antibody titer in your blood (refer to the next page), and it must satisfy the judging standard listed in the chart. A blood test report sheet itself can be accepted for submission.

If the antibody titer in your blood is insufficient, you must receive the necessary vaccination, and submit either ① or ②.

＊ You may submit a combination of ①, ②, and ③ (e.g., ① for measles and ③ for rubella).

＊ If your antibody titer level is below the threshold, yet you are unable to receive the vaccinations due to certain circumstances (such as illness or specific body conditions), please provide an official document (like a medical certificate) that explains the reason.

【Note】 In the above, read "since April 2022" as "Since April 2021" if you are applying to enroll in October 2026.

Procedure, deadline, and location for submission

・All successful undergraduate and graduate applicants enrolling in April (except the Graduate School of Medicine and the Graduate School of Maritime Sciences):
Please submit at the time of the medical checkup for new students scheduled in April.

・All successful graduate applicants enrolling in April (the Graduate School of Maritime Sciences):
- Students of the Graduate School of Maritime Sciences should submit the form at the medical examination site on the day of the medical check-up for maritime sciences students.

・Successful applicants enrolling in October:
Please submit the form at the time of the medical check-up for students entering in October.

Measuring methods and judging standards for blood antibody titers

	Measuring Method	Judging Standard	Remarks
Measles	IgG － EIA method PA method NT method	8.0 ≦ positive ＊ 256x ≦ positive ＊ 4.0x ≦ Positive ＊	Positive result by one of these three methods.
Rubella	HI method IgG－EIA method	32x ≦ positive 8.0 ≦ positive	Positive result by one of these two methods. (HI method is recommended)

＊ Antibody testing is not required if the vaccination history meets the requirements or if additional vaccinations are given.
＊ Make sure the above methods are followed when the antibody titer is measured in your blood.
＊ The protective antibody value differs according to the measuring method used. Please note that **the judging standards are higher than the usual standards used at medical institutions.**
＊ Before visiting a medical institution, please confirm in advance whether you can receive the necessary antibody tests and/or the vaccinations.

When you visit a doctor at a medical institution, make sure to present this document to obtain the necessary certificate(s). (In particular, when taking an antibody test, please ensure the measurement methods meet the above criteria.)

＊ Points to consider when submitting a certificate:

① Please bring the original certificate along with one copy (A4 size).
If the certificate is written in a language other than Japanese or English, please attach a document showing the Japanese or English translation.

For further information, please refer to:
Healthcare Center, Kobe University Tel: 078-803-5245
Student Support Division, Student Affairs Department, Kobe University Tel: 078-803-5219

◎Special Education System for Students Entering From Workplace

Recently, increasing numbers of engineers and researchers in the workforce wish to continue education and training as well as obtaining doctoral degrees in graduate school. However, education programs of graduate schools usually require them to spend time away from their workplace to focus on the graduate program for three years, which is likely to limit their learning opportunities. On the other hand, the "Graduate School Foundation Standard, Article 14" stipulates that "When special educational measures are recognized as necessary in the programs of the Graduate School, appropriate educational measures can be taken such as providing classes or research guidance during night or certain periods." considering the students from the workplace. Based on these backgrounds, the Doctoral Program of the Graduate School of System Informatics has implemented special educational measures as stipulated by the statement.

The following items summarize the program.

1. Part of class by a faculty member upon an agreement of the member, and part of research guidance by academic supervisor upon an agreement of the supervisor, can be provided during night or a certain period.
2. If the academic supervisor recognizes that the thesis is making good progress, and that superior facilities or equipment for the research are provided in the relevant company where outstanding performance can be expected, the student can conduct research within the company.

Ⅱ Overview of the Doctoral Program of the Graduate School of System Informatics

1. Philosophy and Features of Curriculum

Our Doctoral Program promotes education and research for fostering researchers, higher education and research facility faculty members, and skilled professionals with advanced independent research skills, high creativity, and an international mindset for identifying, exploring, and resolving problems. To this end, the program establishes rigorous courses related to the student's doctoral thesis, providing guidance in relation to investigational research, identifying problems, research planning, research implementation, research results organization, and methods for solving unresolved issues. The program also introduces a system of professional courses taught by multiple faculty members as well as cross-graduate-school courses, thereby fostering human resources equipped with advanced expertise and a broad perspective.

2. Features of Doctoral Program Education

The following explains the features of the curriculum we offer at the Doctor's Degree Program of the Graduate School of System Informatics.

Students from Workforce (Complying with the Graduate School Establishment Standard Article 14: Special Case)
We are willing to accept students from the workforce in the Doctoral Program with the aim of fostering engineers equipped with a variety of highly advanced professional skills in System Informatics. To help such students learn while at work, we provide a system complying with the "Special Case of Education Based on School Establishment Standard, Article 14."

Measures Taken for New Students Enrolled in the Doctoral Program
We provide course guidance at the time of enrollment to explain the basic philosophy of the curriculum, and the organization of the courses, so students can fully be aware of the requirements necessary for course completion. In particular, students who do not have a Master's Degree in System Informatics are instructed to enroll in some courses in the Master's Program if considered necessary, depending on the kind of master's degree and the background of the student. As the courses of the doctoral program are closely related to the research subjects given in each education and research field, students are advised to mainly enroll in advanced studies offered by multiple faculty members in the student's affiliated course.

Doctoral Degree Accreditation Process
Research progress presentations are conducted for research concepts, research progress, and future research plan during both the 1st year and 2nd year to instruct the students to create an appropriate doctor's thesis. In the 3rd year, the research result presentation is conducted. If the research results are acknowledged as superior, the student can proceed to submit the doctoral thesis and be reviewed (including the doctoral thesis presentation). A concerted effort is made in conducting research progress presentations, research results presentations, and the doctoral thesis presentation so that the Graduate School of System Informatics, when necessary, can be involved in guiding the students' research. For those who finish early, the research result presentation and the doctoral thesis presentation are conducted during the 1st or the 2nd year.

3. Department of the Graduate School of System Informatics

The Graduate School of System Informatics consists of a department: System Informatics.
The Department of System Informatics first pursues fundamental theories and methodologies for analyzing, designing, constructing, and operating increasingly large and complex systems. In doing so, the department does not specialize in specific technological fields such as mechanics, electricity, or information but deals logically, scientifically, and practice with concepts and functions common to various systems, integrates software and hardware technologies, pursues the coupling of the real world and the information world, and conducts interdisciplinary education and research on theories and technologies from the foundation of systems to their integration. The Department of System Informatics conducts interdisciplinary education and research on theory and technology, from the foundations of systems to their integration. The Department of System Informatics aims to pioneer and develop new academic fields of information science and technology that will contribute to an advanced information society. For this purpose, education and research are not simply focused on computer programming but also on information systems, which are organic combinations of computers, networks, and their contents, as well as on media and intelligence as contents, to construct a fundamental mathematical theory of information, to explore new methodologies of information processing, and to develop advanced information application technologies. The Department of System Informatics also offers a well-balanced education and research program that includes the development of fundamental mathematical theories of information, exploring new information processing methodologies, and advanced information application technologies. In addition, the

Department of System Information Science pursues theories and methodologies for scientific and technological exploration through computational approaches, as well as large-scale simulation theories and fundamental technologies that support these theories and methodologies. For this purpose, education and research are conducted into the technical foundations of ultra-high-speed and massively parallel computing systems, and the fundamentals of simulation such as mathematical modeling, simulation, and visualization, as well as the industrial applications and social contributions of computational science, including the understanding and clarification of natural phenomena and the prediction of unknown phenomena and events through simulation.

4. Divisions, Research Topics, and Faculty Members

【As of October 1, 2026】

Divisions	Research Topics	Faculty Members
Systems Planning	Operational Research, Production Systems Engineering, Social Systems Engineering, Optimization, Multi-Agent System, Management Engineering, Decision Support Theory, Service Engineering, System Simulation, Medical Engineering	KOKURYO Daisuke
Applied Optics	Optical Metrology, Information Photonics, Computational Optics, Quantum Optics, Scattering Clairvoyance, Brain Function Imaging, Super Sensing, Life Photonics, Multimodal Imaging, Optical Brain Computing	MATOBA Osamu YONEDA Naru
Systems Control	Intelligent Agents, Human Interfaces, Assistive Robotics and Care Engineering, Computational Robotics, Biomechanics, Biological Mechanics, Affective Computing, Natural Language Processing, Medical and Health Information Processing, Machine Learning	LUO Zhiwei △ QUAN Changqin
Mathematical System Analysis	Distributed Parameter Control Systems Theory, Infinite Dimensional Dynamical Systems, Operator Theory, Nonlinear PDEs, Robust Control Theory, Nonlinear Systems Theory, Large Scale and Hybrid Systems Theory, Control System Design via Numerical Optimization, Time Delay Systems	SANO Hideki MASUBUCHI Izumi WAKAIKI Masashi
System Analysis	Instrumentation Engineering, Sensing, Tactile Perception, Multisensory Integration, Biological Measurement, Nondestructive Testing, Ultrasonic Testing, Skill Assessment, Cognitive Neuroscience, Neuroimaging, Sustained Attention, Psychiatric Disorder	NAKAMOTO Hiroyuki YAMASHITA Ayumu
Operation Theory of Cyber Security	Intelligent Decision Making, Virtual Reality, Mixed Reality, Augmented Reality, Computer Network Applications, Cloud Computing	HATONO Itsuo □
Intelligent Systems	Medical Engineering, Computer Aided Diagnosis and Treatment, Learning Analytics, Educational Big Data Analysis, Learning Supporting System, Learning Engineering	KUMAMOTO Etsuko △ OHNO Asako
Mathematical Logic and Statistics	Mathematical Logic, Mathematical Statistics, Foundations of Mathematics, Foundations of Informatics, Axiomatic Set Theory, Model Theory, Proof Theory, Computability Theory, Algebraic Combinatorics, Discrete and Computational Geometry	KIKYO Hirotaka □ BRENDLE Joerg KIKUCHI Makoto SAWA Masanori KURAHASHI Taishi MEJIA Diego
Software Science	Systems Design, Manufacturing and Service Systems, Agriculture, Forestry and Fisheries Systems, Urban Systems, Combinatorial Optimization, Agent-based Simulation, Sensory Information Processing, Affective Communication, Preference Modeling, Taste and Olfaction	FUJII Nobutada FXYMA Hiroki
Telecommunications	Communication Method, Network Control, Information and Communication Systems Optimization, Information and Communication Systems Analysis, Information and Communication Applications, Information and Communication Processing Middleware, Distributed Processing Systems, Network Security	OHTA Chikara FINNERTY Patrick
Knowledge and Information Processing	Data Analysis, Modeling, Machine Learning	OHKAWA Takenao △ KOMATSU Mizuka

□The faculty member is scheduled to retire in March, 2027.
■The faculty member is scheduled to retire in March, 2028.
△The faculty member is scheduled to retire in March, 2029.

Divisions	Research Topics	Faculty Members
Media Informatics	Speech/Image/Movie Recognition, Media Integration, Semantic Understanding, Dialogue/Conversation Processing, Intelligent Communication, Universal Communication, Brain Signal Processing, Machine Learning	TAKIGUCHI Tetsuya
Emergent Computing	Optimization, Mathematical Programming, Agent Model, Adaptation/Learning Algorithm, Emergent System, Scheduling, Energy Management	TAMAKI Hisashi ■
Basics of Computational Science *		
Computational Fluid Dynamics	Computational Fluid Dynamics, Finite Volume Method, Massively Parallel Simulation, Coupled and Unified Simulation, Multi-objective Optimization, Machine/Deep Learning, Heat Transfer, Complex and Complicated Turbulence, Combustion Flow, Moving Boundary Method, Applied Aerodynamics, Aeroacoustics, Industrial Applications, Vehicle Aerodynamics, Infection, Bio-fluid Mechanics	TSUBOKURA Makoto BALE Rahul
Simulation Techniques	-Computational MHD and its Visualizations, Geophysical Fluid Dynamics, Geodynamo, Geomagnetism, Physics of the Earth's Interior	KAGEYAMA Akira
Computational Molecular Engineering	Quantum chemistry, First-principle calculations, Massively parallel electronic structure calculations, F12 theory, Strongly correlated electrons, Quantum Algorithms, Photo-catalysis	TEN-NO Seiichiro UEJIMA Motoyuki
Computational Biology *		
Computational Space Science and Engineering	Numerical Simulations on the Lunar and Planetary Environments, Satellite-Plasma Interaction, Cosmic-Ray Physics, Numerical Simulations on Ion Beam Application, Development of Plasma Particle Simulation Method	USUI Hideyuki △ MIYAKE Yohei
Co-creative System Informatics	Optical Super Computing, Computational imaging, Multi-dimensional signal restoration, Visual interface	NITTA Kouichi
	UAV, Mobile Robot, Nonholonomic System, Manipulator Dynamics, State Estimation, Nonlinear Control, Space Flight Dynamics, Solar Sail, Transformable Spacecraft	URAKUBO Takateru
	Convergence Robotics, Multimodal Sensing, Data Fusion, Robot-Human Interaction, Teleoperation, AR/VR-based Interfaces, Human-Robot Collaboration	KOBAYASHI Futoshi
	Large Data Visualization, Multivariate Data Visualization, Visual Data Analytics, Data Interaction, Multidimensional Data Analysis, Time-series Data Analysis, Tensor Data Analysis, Machine Learning	SAKAMOTO Naohisa
Advanced System Informatics	Robotics, Control Theory, Autonomy, Complex Physical Systems, Autonomous Vehicles	KOGA Shumon
	Visual Perception, Visual Processing, Brain Mapping, White Matter Tracts, Psychophysics	UESAKI Maiko

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■The faculty member is scheduled to retire in March, 2028.
△The faculty member is scheduled to retire in March, 2029.

Divisions	Research Topics	Faculty Members
Applied Robot Science (Collaborative Program) *	Manufacturing System, Instrument and Control System, Motion Planning System, Robot Control System, Human Interface System	
Social Robotics (Collaborative Program)	Human-Robot Interaction Technology, Android Robotics, Voice Interaction Technology, Haptic Interaction Technology, Communication Media, Partner Media, Media Presentation Technique, Multilingual Speech Translation, Situation Recognition Technology, Network Robotics	SHIOMI Masahiro ISHI Carlos Toshinori MINATO Takashi
Integrated Intelligence (Collaborative Program) *	Machine Learning, Artificial Intelligence, Statistical Modeling, Pattern Recognition, Bayesian Statistics, Intelligent Information Processing, Bigdata Analysis, Optimization	
Applied Computational Science (Collaborative Program) *	Earth Simulator, High-Performance Computing, Multiscale Simulation, Earth Sciences, Lithosphere Dynamics, Earthquakes, Plate Motion, Particle Simulation Method, Scientific Visualization, Evolution of the Earth's Deep Interior, Large Scale Linear and Nonlinear Iterative Solver, Data-driven, Inverse Problem	
Large-scale Computational Science (Collaborative Program)	Numerical Software Library, Computational Particle Physics, Computational Molecular Science, Weather and Climate Simulations, Computer Science, System Software, Scalability and Acceleration Techniques for Large-Scale AI Training and Inference, High-Performance Processing Techniques for Large-Scale Big Data, Performance Evaluation and Analysis Techniques for Next-Generation Computing Systems, Molecular Dynamics Simulaitons, Quantum Chemical Calculation, Biomolecular Simulation and Modeling, Large-scale Computational Architecture, Accerelators, Condensed Matter Physics, Quantum Many-body Systems, Quantum Computing	IMAMURA Toshiyuki NAKAMURA Yoshifumi SOTA Shigetoshi NISHIZAWA Seiya SATO Kento DAWSON William MIYASHITA Osamu ITO Shingo UENO Tomohiro

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4. Divisions, Research Topics, and Faculty Members

【As of April 1, 2027】

Divisions	Research Topics	Faculty Members
Systems Planning	Operational Research, Production Systems Engineering, Social Systems Engineering, Optimization, Multi-Agent System, Management Engineering, Decision Support Theory, Service Engineering, System Simulation, Medical Engineering	KOKURYO Daisuke
Applied Optics	Optical Metrology, Information Photonics, Computational Optics, Quantum Optics, Scattering Clairvoyance, Brain Function Imaging, Super Sensing, Life Photonics, Multimodal Imaging, Optical Brain Computing	MATOBA Osamu YONEDA Naru
Systems Control	Intelligent Agents, Human Interfaces, Assistive Robotics and Care Engineering, Computational Robotics, Biomechanics, Biological Mechanics, Affective Computing, Natural Language Processing, Medical and Health Information Processing, Machine Learning	LUO Zhiwei △ QUAN Changqin
Mathematical System Analysis	Distributed Parameter Control Systems Theory, Infinite Dimensional Dynamical Systems, Operator Theory, Nonlinear PDEs, Robust Control Theory, Nonlinear Systems Theory, Large Scale and Hybrid Systems Theory, Control System Design via Numerical Optimization, Time Delay Systems	SANO Hideki MASUBUCHI Izumi WAKAIKI Masashi
System Analysis	Instrumentation Engineering, Sensing, Tactile Perception, Multisensory Integration, Biological Measurement, Nondestructive Testing, Ultrasonic Testing, Skill Assessment, Cognitive Neuroscience, Neuroimaging, Sustained Attention, Psychiatric Disorder	NAKAMOTO Hiroyuki YAMASHITA Ayumu
Operation Theory of Cyber Security *		
Intelligent Systems	Medical Engineering, Computer Aided Diagnosis and Treatment, Learning Analytics, Educational Big Data Analysis, Learning Supporting System, Learning Engineering	KUMAMOTO Etsuko △ OHNO Asako
Mathematical Logic and Statistics	Mathematical Logic, Mathematical Statistics, Foundations of Mathematics, Foundations of Informatics, Axiomatic Set Theory, Model Theory, Proof Theory, Computability Theory, Algebraic Combinatorics, Discrete and Computational Geometry	BRENDLE Joerg KIKUCHI Makoto SAWA Masanori KURAHASHI Taishi MEJIA Diego
Software Science	Systems Design, Manufacturing and Service Systems, Agriculture, Forestry and Fisheries Systems, Urban Systems, Combinatorial Optimization, Agent-based Simulation, Sensory Information Processing, Affective Communication, Preference Modeling, Taste and Olfaction	FUJII Nobutada FXYMA Hiroki
Telecommunications	Communication Method, Network Control, Information and Communication Systems Optimization, Information and Communication Systems Analysis, Information and Communication Applications, Information and Communication Processing Middleware, Distributed Processing Systems, Network Security	OHTA Chikara FINNERTY Patrick
Knowledge and Information Processing	Data Analysis, Modeling, Machine Learning, Scientific Machine Learning	OHKAWA Takenao △ KOMATSU Mizuka

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Emergent Computing	Optimization, Mathematical Programming, Agent Model, Adaptation/Learning Algorithm, Emergent System, Scheduling, Energy Management	TAMAKI Hisashi ■
Basics of Computational Science *		
Computational Fluid Dynamics	Computational Fluid Dynamics, Finite Volume Method, Massively Parallel Simulation, Coupled and Unified Simulation, Multi-objective Optimization, Machine/Deep Learning, Heat Transfer, Complex and Complicated Turbulence, Combustion Flow, Moving Boundary Method, Applied Aerodynamics, Aeroacoustics, Industrial Applications, Vehicle Aerodynamics, Infection, Bio-fluid Mechanics	TSUBOKURA Makoto BALE Rahul
Simulation Techniques	Computational MHD and its Visualizations, Geophysical Fluid Dynamics, Geodynamo, Geomagnetism, Physics of the Earth's Interior	KAGEYAMA Akira
Computational Molecular Engineering	Quantum chemistry, First-principle calculations, Massively parallel electronic structure calculations, F12 theory, Strongly correlated electrons, Quantum Algorithms, Photo-catalysis	TEN-NO Seiichiro UEJIMA Motoyuki
Computational Biology *		
Computational Space Science and Engineering	Numerical Simulations on the Lunar and Planetary Environments, Satellite-Plasma Interaction, Cosmic-Ray Physics, Numerical Simulations on Ion Beam Application, Development of Plasma Particle Simulation Method	USUI Hideyuki △ MIYAKE Yohei
Co-creative System Informatics	Optical Super Computing, Computational imaging, Multi-dimensional signal restoration, Visual interface	NITTA Kouichi
	UAV, Mobile Robot, Nonholonomic System, Manipulator Dynamics, State Estimation, Nonlinear Control, Space Flight Dynamics, Solar Sail, Transformable Spacecraft	URAKUBO Takateru
	Convergence Robotics, Multimodal Sensing, Data Fusion, Robot-Human Interaction, Teleoperation, AR/VR-based Interfaces, Human-Robot Collaboration	KOBAYASHI Futoshi
	Large Data Visualization, Multivariate Data Visualization, Visual Data Analytics, Data Interaction, Multidimensional Data Analysis, Time-series Data Analysis, Tensor Data Analysis, Machine Learning	SAKAMOTO Naohisa
Advanced System Informatics	Robotics, Control Theory, Autonomy, Complex Physical Systems, Autonomous Vehicles	KOGA Shumon
	Visual Perception, Visual Processing, Brain Mapping, White Matter Tracts, Psychophysics	UESAKI Maiko

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Divisions	Research Topics	Faculty Members
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Social Robotics (Collaborative Program)	Human-Robot Interaction Technology, Android Robotics, Voice Interaction Technology, Haptic Interaction Technology, Communication Media, Partner Media, Media Presentation Technique, Multilingual Speech Translation, Situation Recognition Technology, Network Robotics	SHIOMI Masahiro ISHI Carlos Toshinori MINATO Takashi
Integrated Intelligence (Collaborative Program) *	Machine Learning, Artificial Intelligence, Statistical Modeling, Pattern Recognition, Bayesian Statistics, Intelligent Information Processing, Bigdata Analysis, Optimization	
Applied Computational Science (Collaborative Program) *	Earth Simulator, High-Performance Computing, Multiscale Simulation, Earth Sciences, Lithosphere Dynamics, Earthquakes, Plate Motion, Particle Simulation Method, Scientific Visualization, Evolution of the Earth's Deep Interior, Large Scale Linear and Nonlinear Iterative Solver, Data-driven, Inverse Problem	
Large-scale Computational Science (Collaborative Program)	Numerical Software Library, Computational Particle Physics, Computational Molecular Science, Weather and Climate Simulations, Computer Science, System Software, Scalability and Acceleration Techniques for Large-Scale AI Training and Inference, High-Performance Processing Techniques for Large-Scale Big Data, Performance Evaluation and Analysis Techniques for Next-Generation Computing Systems, Molecular Dynamics Simulaitons, Quantum Chemical Calculation, Biomolecular Simulation and Modeling, Large-scale Computational Architecture, Accerelators, Condensed Matter Physics, Quantum Many-body Systems, Quantum Computing	IMAMURA Toshiyuki NAKAMURA Yoshifumi SOTA Shigetoshi NISHIZAWA Seiya SATO Kento DAWSON William MIYASHITA Osamu ITO Shingo UENO Tomohiro

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4. Divisions, Research Topics, and Faculty Members

【As of October 1, 2027】

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Applied Optics	Optical Metrology, Information Photonics, Computational Optics, Quantum Optics, Scattering Clairvoyance, Brain Function Imaging, Super Sensing, Life Photonics, Multimodal Imaging, Optical Brain Computing	MATOBA Osamu YONEDA Naru
Systems Control	Intelligent Agents, Human Interfaces, Assistive Robotics and Care Engineering, Computational Robotics, Biomechanics, Biological Mechanics, Affective Computing, Natural Language Processing, Medical and Health Information Processing, Machine Learning	LUO Zhiwei △ QUAN Changqin
Mathematical System Analysis	Distributed Parameter Control Systems Theory, Infinite Dimensional Dynamical Systems, Operator Theory, Nonlinear PDEs, Robust Control Theory, Nonlinear Systems Theory, Large Scale and Hybrid Systems Theory, Control System Design via Numerical Optimization, Time Delay Systems	SANO Hideki MASUBUCHI Izumi WAKAIKI Masashi
System Analysis	Instrumentation Engineering, Sensing, Tactile Perception, Multisensory Integration, Biological Measurement, Nondestructive Testing, Ultrasonic Testing, Skill Assessment, Cognitive Neuroscience, Neuroimaging, Sustained Attention, Psychiatric Disorder	NAKAMOTO Hiroyuki YAMASHITA Ayumu
Operation Theory of Cyber Security *		
Intelligent Systems	Medical Engineering, Computer Aided Diagnosis and Treatment, Learning Analytics, Educational Big Data Analysis, Learning Supporting System, Learning Engineering	KUMAMOTO Etsuko △ OHNO Asako
Mathematical Logic and Statistics	Mathematical Logic, Mathematical Statistics, Foundations of Mathematics, Foundations of Informatics, Axiomatic Set Theory, Model Theory, Proof Theory, Computability Theory, Algebraic Combinatorics, Discrete and Computational Geometry	BRENDLE Joerg ○ KIKUCHI Makoto SAWA Masanori KURAHASHI Taishi MEJIA Diego
Software Science	Systems Design, Manufacturing and Service Systems, Agriculture, Forestry and Fisheries Systems, Urban Systems, Combinatorial Optimization, Agent-based Simulation, Sensory Information Processing, Affective Communication, Preference Modeling, Taste and Olfaction	FUJII Nobutada FXYMA Hiroki
Telecommunications	Communication Method, Network Control, Information and Communication Systems Optimization, Information and Communication Systems Analysis, Information and Communication Applications, Information and Communication Processing Middleware, Distributed Processing Systems, Network Security	OHTA Chikara FINNERTY Patrick
Knowledge and Information Processing	Data Analysis, Modeling, Machine Learning, Scientific Machine Learning	OHKAWA Takenao △ KOMATSU Mizuka

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■The faculty member is scheduled to retire in March, 2028.
△The faculty member is scheduled to retire in March, 2029.
○The faculty member is scheduled to retire in March, 2030.

Divisions	Research Topics	Faculty Members
Media Informatics	Speech/Image/Movie Recognition, Media Integration, Semantic Understanding, Dialogue/Conversation Processing, Intelligent Communication, Universal Communication, Brain Signal Processing, Machine Learning	TAKIGUCHI Tetsuya
Emergent Computing	Optimization, Mathematical Programming, Agent Model, Adaptation/Learning Algorithm, Emergent System, Scheduling, Energy Management	TAMAKI Hisashi ■
Basics of Computational Science *		
Computational Fluid Dynamics	Computational Fluid Dynamics, Finite Volume Method, Massively Parallel Simulation, Coupled and Unified Simulation, Multi-objective Optimization, Machine/Deep Learning, Heat Transfer, Complex and Complicated Turbulence, Combustion Flow, Moving Boundary Method, Applied Aerodynamics, Aeroacoustics, Industrial Applications, Vehicle Aerodynamics, Infection, Bio-fluid Mechanics	TSUBOKURA Makoto BALE Rahul
Simulation Techniques	Computational MHD and its Visualizations, Geophysical Fluid Dynamics, Geodynamo, Geomagnetism, Physics of the Earth's Interior	KAGEYAMA Akira
Computational Molecular Engineering	Quantum chemistry, First-principle calculations, Massively parallel electronic structure calculations, F12 theory, Strongly correlated electrons, Quantum Algorithms, Photo-catalysis	TEN-NO Seiichiro ○ UEJIMA Motoyuki
Computational Biology *		
Computational Space Science and Engineering	Numerical Simulations on the Lunar and Planetary Environments, Satellite-Plasma Interaction, Cosmic-Ray Physics, Numerical Simulations on Ion Beam Application, Development of Plasma Particle Simulation Method	USUI Hideyuki △ MIYAKE Yohei
Co-creative System Informatics	Optical Super Computing, Computational imaging, Multi-dimensional signal restoration, Visual interface	NITTA Kouichi
	UAV, Mobile Robot, Nonholonomic System, Manipulator Dynamics, State Estimation, Nonlinear Control, Space Flight Dynamics, Solar Sail, Transformable Spacecraft	URAKUBO Takateru
	Convergence Robotics, Multimodal Sensing, Data Fusion, Robot-Human Interaction, Teleoperation, AR/VR-based Interfaces, Human-Robot Collaboration	KOBAYASHI Futoshi
	Large Data Visualization, Multivariate Data Visualization, Visual Data Analytics, Data Interaction, Multidimensional Data Analysis, Time-series Data Analysis, Tensor Data Analysis, Machine Learning	SAKAMOTO Naohisa
Advanced System Informatics	Robotics, Control Theory, Autonomy, Complex Physical Systems, Autonomous Vehicles	KOGA Shumon
	Visual Perception, Visual Processing, Brain Mapping, White Matter Tracts, Psychophysics	UESAKI Maiko

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△The faculty member is scheduled to retire in March, 2029.
○The faculty member is scheduled to retire in March, 2030.

Divisions	Research Topics	Faculty Members
Applied Robot Science (Collaborative Program) *	Manufacturing System, Instrument and Control System, Motion Planning System, Robot Control System, Human Interface System	YOSHIKAWA Shoji
Social Robotics (Collaborative Program)	Human-Robot Interaction Technology, Android Robotics, Voice Interaction Technology, Haptic Interaction Technology, Communication Media, Partner Media, Media Presentation Technique, Multilingual Speech Translation, Situation Recognition Technology, Network Robotics	SHIOMI Masahiro ISHI Carlos Toshinori MINATO Takashi
Integrated Intelligence (Collaborative Program) *	Machine Learning, Artificial Intelligence, Statistical Modeling, Pattern Recognition, Bayesian Statistics, Intelligent Information Processing, Bigdata Analysis, Optimization	UEDA Naonori KAWAHARA Yoshinobu
Applied Computational Science (Collaborative Program) *	Earth Simulator, High-Performance Computing, Multiscale Simulation, Earth Sciences, Lithosphere Dynamics, Earthquakes, Plate Motion, Particle Simulation Method, Scientific Visualization, Evolution of the Earth's Deep Interior, Large Scale Linear and Nonlinear Iterative Solver, Data-driven, Inverse Problem	TSUBOI Seiji
Large-scale Computational Science (Collaborative Program)	Numerical Software Library, Computational Particle Physics, Computational Molecular Science, Weather and Climate Simulations, Computer Science, System Software, Scalability and Acceleration Techniques for Large-Scale AI Training and Inference, High-Performance Processing Techniques for Large-Scale Big Data, Performance Evaluation and Analysis Techniques for Next-Generation Computing Systems, Molecular Dynamics Simulaitons, Quantum Chemical Calculation, Biomolecular Simulation and Modeling, Large-scale Computational Architecture, Accerelators, Condensed Matter Physics, Quantum Many-body Systems, Quantum Computing	IMAMURA Toshiyuki NAKAMURA Yoshifumi SOTA Shigetoshi NISHIZAWA Seiya SATO Kento DAWSON William MIYASHITA Osamu ITO Shingo UENO Tomohiro

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