# Graduate School of Software and Information Science

# Iwate Prefectural University

# Master's Program

## Application Guidelines for International Students

2018 School Year

(October 2018 Admission)

2019 School Year

(1st Application Period / 2nd Application Period)

岩手県立大学
Iwate Prefectural University

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# Admission Policy for the Graduate School of Software and Information Science

The Graduate School of Software and Information Science aims to foster individuals who have the capacity to identify issues and problems in the real world from the perspective of software and information science, and practical abilities to actually solve them.

For this purpose, we will select candidates with the following endowments, as demonstrated by the entrance examination.

⑴ Those who can pursue computer/software technologies with enthusiasm.

⑵ Those who seek to identify issues and problems in society or in other various settings, and find solutions to them.

(3) Those who have good communication abilities and are interested in contributing to the development of local communities from an international viewpoint.

From a human resources perspective, the types of graduates that the Graduate School of Software and Information Science wishes to develop are as follows.

## Education and Research Objectives ⟨Master's Program⟩

We specifically aim to foster:

(1) Those who can accurately identify their own aptitude and skills, continue their studies and research in a structured and ambitious manner, and develop new information technology and information systems.

(2) Those who are passionate about the field of information technology, can make a right judgement of its various impacts and effects on people and society, and feel the responsibility as a technical expert and researcher.

(3) Those who can detect issues from a user's perspective, pave the way to appropriate methods to solve them, and hold the skills to resolve them.

(4) Those who can apply their broad knowledge and skills of information technology and systems, as well as what they have learned in their own specific field, to solving problems by planning, designing, developing, maintaining, and operating various schemes and systems from the perspective of information system users.

(5) Those who can clearly express their opinions from an international perspective, while also having being open to others' opinions and conducting logical discussions.

After the completion of the program, students are expected to play important roles as highly skilled technical experts specializing in computer software and systems, information media, and network design and development. In addition to computing and communication-information-related areas, their activities are likely to encompass business operations, distribution, and many other fields in both the private and public sectors. Students will also have the option to engage in research activities at universities or research institutes, or to advance to a doctoral program.

## I. Admission Quota and Enrollment Period

Master's Program, Major in Software and Information Science, Graduate School of Software and Information Science

| Category | Number of Students to be Admitted | Enrollment Period |
|---|---|---|
| October 2018 Admission | A few | October 2018 |
| 1st Application Period | 40 (including recommended applicants, mid-career applicants, and international students) | April 2019 or October 2019 (choice of applicant) |
| 2nd Application Period | Details will be posted on the university's website in the middle of this November in accordance with the results of the 1st application period. | April 2019 or October 2019 (choice of applicant) |

## II. Application Eligibility

### 1. Eligibility

Applicants with non-Japanese nationality (excluding permanent residents of Japan) must fulfill one of the following requirements (1) to (8), as well as requirement (9).

   (1) Have graduated from a university as defined in Article 83 of the School Education Act (Act No. 26 of 1947), or be expected to graduate from such a university by the end of March 2019 (or by the end of September 2018for those who wish to enroll in October 2018; or by the end of September 2019 for those who wish to enroll in October 2019).

   (2) Have received a bachelor's degree as stipulated by the School Education Act (Article 104, Clause 4), or be expected to receive such a degree by the end of March 2019 (or by the end of September 2018 for those who wish to enroll in October 2018; or by the end of September 2019 for those who wish to enroll in October 2019).

   (3) Have completed 16 years of school education outside of Japan, or be expected to complete such school education by the end of March 2019 (or by the end of September 2018 for those who wish to enroll in October 2018; or by the end of September 2019 for those who wish to enroll in October 2019).

   (4) Have completed a 16-year course of study provided via correspondence by an overseas school for study in Japan, or be expected to complete such a course by the end of March 2019 (or by the end of September 2018 for those who wish to enroll in October 2018; or by the end of September 2019 for those who wish to enroll in October 2019).

   (5) Have completed a program at an educational facility in Japan, designated separately by the Minister of Education, Culture, Sports, Science and Technology, that provides courses of a foreign university within the school education system of that foreign country, or be expected to complete such a program by the end of March 2019 (or by the end of September 2018 for those wish to enroll in October 2018; or by the end of September 2019 for those wish to enroll in October 2019). (This applies solely to those who have completed 16 years of school education in the said foreign country.)

   (6) Have completed a specialized course specifically designated by the Minister of Education, Culture, Sports, Science and Technology at a vocational school (whose minimum period required for graduation is four years or longer, and which also satisfies other conditions specified by the said Minister) on or after the date designated by the said Minister, or be expected to complete such a course by the end of March 2019 (or by the end of September 2018 for those wish to enroll in October 2018; or by the end of September 2019 for those wish to enroll in October 2019).

   (7) Be designated by the Minister of Education, Culture, Sports, Science and Technology (The Ministry of Education, Science, Sports and Culture, Notification No. 5, 1953)

(8) Satisfy one of the conditions below and be approved by the Graduate School through screening as having acquired the credits prescribed by the Graduate School with excellent academic results.

 ⅰ. Have completed 15 years of school education outside of Japan, or be expected to complete such school education by the end of March 2019 (or by the end of September 2018 for those who wish to enroll in October 2018; or by the end of September 2019 for those who wish to enroll in October 2019).

 ⅱ. Have completed a 15-year course of study provided via correspondence by an overseas school for study in Japan, or be expected to complete such a course by the end of March 2019 (or by the end of September 2018 for those wish to enroll in October 2018; or by the end of September 2019 for those who wish to enroll in October 2019).

 ⅲ. Have completed a program at an educational facility in Japan, designated separately by the Minister of Education, Culture, Sports, Science and Technology, that provides courses of a foreign university within the school education system of that foreign country, or be expected to complete such a program by the end of March 2019 (or by the end of September 2018 for those who wish to enroll in October 2018; or by the end of September 2019 for those who wish to enroll in October 2019). (This applies solely to those who have completed 15 years of school education in said foreign country.)

(9) Satisfy one or more of the conditions below.

 ⅰ. Have passed "N2" or higher of the Japanese Language Proficiency Test (administered by Japan Educational Exchanges and Services and the Japan Foundation) within the five years prior to the second last day of the application period.

 ⅱ. Have obtained the target score or higher on the English proficiency tests designated by the Graduate School.

| Test | Target Scores |
|---|---|
| TOEFL | (PBT) 463 or higher / (iBT) 50 or higher |
| TOEIC | 480 or higher |

 • Applicants are required to have taken one of the English proficiency tests within **the two years prior to** the second last day of the application period**.**
 • For other qualifications, please contact the Entrance Examination Group at the Education Support Division.

 ⅲ. Have permanent resident status in a country where English is an official language.


## 2. Applicants Who Need Screening for Application Eligibility

Those who fall under category (8) in "1. Eligibility" in section Ⅱ on page 3 are required to undergo screening for application eligibility in advance. The screening criteria are described below. However, they are not necessary for graduates of a university of a foreign country that implements a 15-year school curriculum. For more details, please see "Ⅲ. Screening for Application Eligibility" on page 4.

(1) Applicants are required to have attended university for three years by the end of March 2019 (or by the end of September 2018 for those who wish to enroll in October 2018; or by the end of September 2019 for those who wish to enroll in October 2019). Leaves of absence from university shall not be counted in the period of attendance.

(2) Applicants must satisfy one of the requirements below.

 ⅰ. For October 2018 Enrollment, applicants are required to have completed subjects corresponding to the compulsory technical subjects (including compulsory elective subjects) that are offered by the Faculty of Software and Information Science, Iwate Prefectural University in its first three academic years by the end of March 2018, and have deficit grade points of two or less in total.

 For April 2019 Enrollment and October 2019 Enrollment, applicants are required to have completed subjects corresponding to the compulsory technical subjects (including compulsory elective subjects) that are offered by the

Faculty of Software and Information Science, Iwate Prefectural University in its first two academic years by the end of March 2018 for Entrance Examination in July 2018 (or in its first term of the third academic year by the end of September 2018 for Entrance Examination in February 2019), and have deficit grade point of two or less in total.

The calculation method for deficit grade points: zero (0) for a Grade A or higher, one (1) for a Grade B, and two (2) for a Grade C (i.e., pass).

ⅱ. For October 2018 Enrollment, you are required to have completed subjects corresponding to the compulsory technical subjects (including compulsory elective subjects) that are offered by the Faculty of Software and Information Science, Iwate Prefectural University in its first three academic years by the end of March 2018 with excellent grades, and have a research accomplishment equivalent to a graduation thesis.

For April 2019 Enrollment and October 2019 Enrollment, you are required to have completed subjects corresponding to the compulsory technical subjects (including compulsory elective subjects) that are offered by the Faculty of Software and Information Science, Iwate Prefectural University in its first two academic years by the end of March 2018 for Entrance Examination in July 2018 (or in its first term of the third academic year by the end of September 2018 for the Entrance Examination in February 2019), with excellent grades, and have a research accomplishment equivalent to a graduation thesis.

**Important notice**

- If a successful applicant is found to have failed to satisfy the criterion (1) (regarding the period of attendance), the admission will be revoked, even after enrollment.
- Successful applicants who have passed through the eligibility screening are admitted to the Graduate School without graduating from the faculty they had attended. This means that they are not able to obtain undergraduate status. Accordingly, they are not eligible to take certification examinations that require the status of a university graduate.

### 3. Pre-application Consultation

Applicants are **required** to contact a prospective supervisor from whom they wish to receive academic instruction after enrollment. Please enter the details of the consultation on your Research Plan (Form F). The Form must carry the signature and/or bear the seal of the supervisor, or have attached communication records (e.g., photocopies of fax transmissions, hard copies of e-mail messages, and the like) as proof of pre-consultation.

Contact:
| |
|---|
| Entrance Examination Group, Education Support Division, Iwate Prefectural University |
| 152-52 Sugo, Takizawa, Iwate 020-0693, Japan    Tel: 019-694-2014 |

Note: Inquiries by telephone are available only in Japanese.

Should you wish to make an inquiry in English, please send us an e-mail at ipu-nyushi@ml.iwate-pu.ac.jp.

## III. Screening for Application Eligibility

Applicants falling under category (8) in "1. Eligibility" in section Ⅱ on page 3 are required to undergo screening for application eligibility in advance. Please submit the following materials by post. **Please write in red, "Materials for Application Eligibility Screening Enclosed: Master's Program, Graduate School of Software and Information Science" on the front cover of the envelope** and send by **registered express mail** if applying from within Japan or by **Express Mail Service (EMS)** if applying from outside of Japan.

### 1. Materials to be submitted

① Request Form for Application Eligibility Screening (University-prescribed form)

② Form E: Curriculum Vitae (University-prescribed form)

③ Academic Transcript (Prescribed form of your educational institute)

④ Form F: Research Plan (University-prescribed form)

⑤ Form J: Achievement Record (University-prescribed form)

⑥ Certificate of Completion (or expected completion) (Prescribed form of your educational institute)

⑦ Certificate of Enrollment (for the period of attendance) (Prescribed form of your educational institute)

⑧ A research accomplishment equivalent to a graduation thesis (For applicants falling under category (2) ⅱ. in "2. Applicants Who Need Screening for Application Eligibility" in section Ⅱ on page 3.)

⑨ JLPT Certificate of Result and Scores that shows you have obtained Japanese Language Proficiency Level N2 or higher, a certificate of results on English proficiency tests designated by the Graduate School, or a photocopy of your passport (excluding permanent residents of Japan)

⑩ (For applicants residing in Japan) A self-addressed envelope (Type No. 2) with the applicant's address written on the front cover. (Affix the necessary amount of postage.)

⑪ (For applicants residing overseas) International Postal Coupons

[Number of coupons needed]

| Region | Asia | North America, Central America, Oceania, Middle East | Europe | South America, Africa |
|---|---|---|---|---|
| Number of coupons needed | 11 | 16 | 17 | 19 |
| Japanese yen | 1,400 yen | 2,000 yen | 2,200 yen | 2,400 yen |

Note: If you wish to enclose Japanese postage stamps instead of International Postal Coupons, please make sure that the value of the stamps is equivalent to the relevant amount described above.

**\*\*Important notice\*\***

• Documents written in a language other than English must be accompanied by a Japanese or English translation. The applicant's own translation is acceptable. Translated documents should bear the signature of the translator and his/her contact details (e-mail address and telephone number).

**2. Submission Period**

(1) Submission period

• **October 2018 Admission / 1ˢᵗ Application Period: <u>from Thursday, May 31, 2018 to Monday, June 4, 2018</u>**

<u>(No later than 4:00 p.m. on Monday, June 4, 2018)</u>

• **2ⁿᵈ Application Period: <u>from Wednesday, December 5, 2018 to Friday, December 7, 2018</u>**

<u>(No later than 4:00 p.m. on Friday, December 7, 2018)</u>

(Applications received after the deadline will not be accepted. Please be sure to submit the necessary materials well in advance of the deadline.)

However, if there is a postmark (up to Saturday, June 2 for October 2018 Admission and 1ˢᵗ Application Period, or Wednesday, December 5 for 2ⁿᵈ Application Period) and it was sent by registered express mail from within Japan, submissions that arrive after 4:00 p.m. on the last day of the submission period will still be accepted.

(2) Notification of Results

Along with the submitted materials, the result of the Screening for Application Eligibility will be sent to applicants by post on

the following dates.

- **October 2018 Admission / 1ˢᵗ Application Period: Monday, June 11, 2018**

- **2ⁿᵈ Application Period: Monday, December 17, 2018**

Successful applicants are required to complete the application procedure within the prescribed period.

Submit to:

| |
|---|
| Entrance Examination Group, Education Support Division, Iwate Prefectural University |
| 152-52 Sugo, Takizawa, Iwate 020-0693, Japan     Tel: 019-694-2014 |

Note: Enquiries by telephone are available only in Japanese.

Should you wish to make an enquiry in English, please send us an e-mail at ipu-nyushi@ml.iwate-pu.ac.jp. The subject should start with [Graduate School].

## IV. Application Procedure

### 1. Application Period

- **October 2018 Admission / 1ˢᵗ Application Period: <u>from Monday, June 25, 2018 to Thursday, June 28, 2018</u>**

<u>(No later than 4:00 p.m. on Thursday, June 28, 2018)</u>

- **2ⁿᵈ Application Period: <u>from Monday, January 21, 2019 to Wednesday, January 23, 2019</u>**

<u>(No later than 4:00 p.m. on Wednesday, January 23, 2019)</u>

**Note:** Applications received after the deadline will not be accepted. Please make sure to submit the application documents well in advance of the deadline.

However, if there is a postmark (up to Tuesday, June 26 for October 2018 Admission and 1ˢᵗ Application Period, or Monday, January 21 for 2ⁿᵈ Application Period) and it was sent by registered express mail from within Japan, submissions that arrive after 4:00 p.m. on the last day of the submission period will still be accepted.

### 2. How to Apply

Applicants are required to submit the documents necessary for application using an envelope. **Please write in red, "Application Documents Enclosed: Master's Program, Graduate School of Software and Information Science (International Student)"** on the front cover of the envelope, with the applicant's name and address on the reverse side.

(1) Submission by post

Please send by **registered express mail** if applying from within Japan or by **Express Mail Service (EMS)** if applying from outside of Japan.

Submit to:

| |
|---|
| Entrance Examination Group, Education Support Division, Iwate Prefectural University |
| 152-52 Sugo, Takizawa, Iwate 020-0693, Japan     Tel: 019-694-2014 |

(2) Submission in person

Reception hours: **9:00 a.m. to 4:00 p.m. (closed 11:45 a.m. to 1:00 p.m.)**

Location: Central Administration Building, Iwate Prefectural University

**Note:** Applications will not be accepted outside of the abovementioned hours and location.

## 3. Application Documents

| | Application Document | Outline |
|---|---|---|
| ① | Form A: Application Form for Admission | • Please fill in all necessary items with the required information. |
| ② | (If paying from within Japan)<br><br>Sheet for Attaching Certificate of Payment for Application Fee [*Haraikomi Uketsuke Shomeisho*] | ・Please fill in the necessary items on the Bank Transfer Request Form (Furikomi Iraisho; University-prescribed form) and pay 30,000 yen at the bank counter. (You cannot pay the fee through Japan Post or Japan Post Bank.)<br>・Payment via ATM is not accepted.<br>・After payment, please confirm that the Certificate of Payment (*Haraikomi Uketsuke Shomeisho*) you received from the bank has been date-stamped, and paste it onto application document ②, "Sheet for Attaching Certificate of Payment for Application Fee [Haraikomi Uketsuke Shomeisho]".<br> The Payment Receipt (*Furikomikin Ryoshusho*) should be retained by the applicant. Take care not to attach the wrong document.<br>・Please pay the application fee by bank transfer on the following period.<br> − For October 2018 Admission and the 1st Application Period: between Monday, June 11, 2018 and Thursday, June 28, 2018<br> − For the 2nd Application Period: between Monday, January 7, 2019 and Wednesday, January 23, 2019<br>・An application fee once remitted will not be reimbursed for any reason, except for the following.<br>  (a) You paid the fee but did not submit an application.<br>  (b) You paid the fee but your application documents were not accepted.<br>  (c) You accidentally paid the fee twice.<br>  If you fall under any of the above conditions from (a) – (c), please contact the Entrance Examination Group at the Education Support Division (Tel. 019-694-2014). The Certificate of Payment (*Haraikomi Uketsuke Shomeisho*) or the Payment Receipt (*Haraikomikin Ryoshusho*) should be retained as they may be required for any refund processes.<br>・For more details, please see Section 4 on "How to Pay Application Fee". |
| ② | (If paying from outside of Japan)<br><br>Photocopy of Certificate of Foreign Remittance for Application Fee [*Gaikoku Soukin Shomeisho*] | ・By the application submission period, go to the closest bank to you that provides overseas remittance services, and pay the application fee of 30,000 yen to the bank account written on page 9. (See page 9 for more details on payment.)<br>・Please do not pay in any other foreign currency. We cannot accept applications paid with any foreign currencies aside from the Japanese yen.<br>・All banking charges incurred inside and outside Japan should be borne by the applicant. When paying via an intermediary bank, the bank will charge extra fees for the transaction as well. Please confirm in advance the charges that will be incurred for transferring money at your local bank.<br>・Please submit a copy of the Certificate of Foreign Remittance (*Gaikoku Soukin Shomeisho*) that you will receive from your bank after payment along with your application.<br>・An application fee once remitted will not be reimbursed for any reason, except for the following.<br>  (a) You paid the fee but did not submit an application.<br>  (b) You paid the fee but your application documents were not accepted.<br>  (c) You accidentally paid the fee twice.<br>  If you fall under any of the above conditions from (a) – (c), please contact the Entrance Examination Group at the Education Support Division (Tel. 019-694-2014) .The Certificate of Foreign Remittance (*Gaikoku Soukin Shomeisho*) should be retained as it may be required for any refund processes.<br>・For more details, please see Section 4 on "How to Pay Application Fee". |
| ③ | Form B: Examination Admission Card | • Please fill in all necessary items with the required information.<br>• Please write your name and the name of the graduate school and program you are applying for on the |
| ④ | Form C: Photo Card | back of two photos (4 cm x 3 cm [height x width], facing forward, upper half of the body, with no hat and a plain background, taken within three months prior to application). Please apply glue to the entire reverse side of the photos and paste each of them firmly onto the forms. |
| ⑤ | Form D: Address Labels | ・Please write your name, address, and postal code. These labels will be used when we send you documents, e.g., a Notification of Acceptance. |
| ⑥ | Form E: Curriculum Vitae | • Please fill in all necessary items with the required information. |
| ⑦ | Academic Transcript | • An academic transcript, which meets the eligibility stipulations, must be prepared by the President (Dean) of the university or the Principal of the educational institute from which you have graduated or are expected to graduate. It must be submitted in a sealed envelope.<br> If you fall under category (2) in "1.Eligibility" in section Ⅱ, please submit an academic transcript issued by the technical college or educational institution.<br> Applicants who have had credits transferred from another school that appear on the said transcript must submit an academic transcript issued by the said school as well. |

| | | |
|---|---|---|
| ⑧ | Form F: Research Plan | • Please fill in all necessary items with the required information.<br>• Please enter the details of your pre-consultation with a prospective supervisor from whom you wish to receive academic instruction. This form must carry the signature and/or bear the seal of the said supervisor, or have attached proof of the pre-consultation (e.g., photocopies of fax transmissions, hard copies of e-mail messages, and the like). |
| ⑨ | Form J: Achievement Record C | ・ Please fill in all necessary items with the required information.<br>・ This must be submitted if you fall under category (8) in "1. Eligibility" in section Ⅱ.<br>・ For academic conference presentations, Applicants must submit manuscripts of the presentation. For self-developed software, submit anything (in any format) that will show your software's features and functions. As for awards, submit proof via certificates, testimonials, etc. |
| ⑩ | Certificate of Graduation (or Completion) or Certificate of Expected Graduation (or Expected Completion) | • Please submit a certificate that has been issued within three months prior to application by the educational institute from which you have graduated or are expected to graduate in its prescribed form (the day, month and year of admission must be included). |
| ⑪ | Certificate of Bachelor's Degree Conferment (or Expected Bachelor's Degree), etc. | • This must be submitted if you fall under category (2) in "1. Eligibility" in section Ⅱ.<br>• Please submit a certificate of bachelor's degree conferment (or expected bachelor's degree) issued by the National Institution for Academic Degrees and University Evaluation, or a certificate of application for bachelor's degree conferment (or expected bachelor's degree) issued by the President of the relevant junior college or college of technology. |
| ⑫ | Certificate of Issuance of Teacher's License | • Please submit only if you fall under category (7) in "1. Eligibility" in section Ⅱ and hold a teacher's license that meets the eligibility stipulations. |
| ⑬ | Photocopy of Residence Certificate | • Submit a photocopy of a document that shows a description of your residential status. (Copy of both sides of your residence card).<br>• If you reside outside of Japan, please submit a photocopy of the page of your passport showing your identity, an abstract of the family register officially issued by your home country, or a certificate of citizenship or equivalent document officially issued by your home country |
| ⑭ | Certificate of Enrollment (period of attendance) | • Please submit if you fall under category (8) in "1. Eligibility" in section Ⅱ.<br>• Please submit a certificate that was issued within three months of application. |
| ⑮ | JLPT Certificate of Result and Scores that shows you have obtained Japanese Language Proficiency Level N2 or higher; or a certificate of test results of an English proficiency test designated by the Graduate School; or a photocopy of your passport | • Applicants who do not have Japanese nationality or permanent resident status in Japan are required to submit one of the items listed in the left box.<br>• If you wish to submit a test result of English proficiency tests, **you should submit the original score report** (i.e., Examinee Score Report for TOEFL or Official Score Certificate for TOEIC). We will return your score report when we send you the Examination Admission Card.<br>• If you have permanent resident status in a country where English is an official language, please submit a photocopy of the page of your passport showing your identity. |
| ⑯ | Form M: Address label for the envelope in which we will send your Examination Admission Card | ・ Please submit only if you are a current resident of Japan.<br>・ This is used for sending you an Examination Admission Card. Please write your name, address, and postal code on the label. Attach postage stamps equivalent to 362 yen. Cut along the dotted lines on the form, and paste it onto an envelope (Type No. 3) for submission. |
| ⑰ | International Postal Coupons | • This is required only for applicants who are residents outside of Japan.<br>• Coupons are used for sending your Examination Admission Card.<br>[Numbers of coupons needed]<br><br>| Region | Asia | North America, Central America, Oceania, Middle East | Europe | South America, Africa |<br>|---|---|---|---|---|<br>| Number of coupons needed | 11 | 16 | 17 | 19 |<br>| Japanese yen equivalent to the coupons | 1,400 yen | 2,000 yen | 2,200 yen | 2,400 yen |<br><br>Note: If you wish to enclose Japanese postage stamps instead of International Postal Coupons, please make sure that the value of the stamps is equivalent to the relevant amount described above. |

Note 1: Documents written in a language other than English must be accompanied by a Japanese or English translation. The applicant's own translation is acceptable. Translated documents should carry the signature of the translator and his/her contact details (e-mail address and telephone number).
Note 2: If postage rates are revised, please submit stamps equivalent to the new rates.

◎ To apply, please submit the aforementioned documents in an envelope. **Please write in red, "Application Documents for**

**Master's Program Enclosed: Graduate School of Software and Information Science (International Student)"** on the front cover of the envelope.

## 4. How to Pay the Application Fee

(1) From a bank inside Japan

Please fill in the necessary items on the Bank Transfer Request Form (*Furikomi Iraisho*; University-prescribed form) and pay the fee **at the bank counter**. (You cannot pay the fee through Japan Post or Japan Post Bank.)

**Payment via ATM is not accepted.**

After payment, please confirm that the Certificate of Payment *(Haraikomi Uketsuke Shomeisho)* you received from the bank has been date-stamped, and paste it onto application document (2), "Sheet for Attaching Certificate of Payment for Application Fee [*Haraikomi Uketsuke Shomeisho*]."

(2) Remittance from outside of Japan

Please follow the instructions below to pay the application fee at an overseas banking institute.

All banking charges incurred inside and outside Japan should be borne by the applicant. Please confirm in advance the charges that will be incurred for transferring money at your local bank and make payment of the application fee of 30,000 yen to the designated bank account.

After the remittance, **please send a photocopy of the overseas remittance request form along with other application documents and materials.**

Since overseas remittance may take time, please make payment at your earliest convenience so that the application fee is transferred to the designated bank account within the application period without fail.

| 送金種類（Type of Remittance） | | 電信送金（Telegraphic Transfer） |
|---|---|---|
| 支払方法（Payment Instruction） | | 通知払（Advice and Pay） |
| 円為替手数料（Lifting Charge） | | 依頼人負担（Payer Account） |
| 送金金額（Amount） | | ¥30,000 |
| メッセージ（Message） | | 志願者氏名（Applicant Name） |
| 送金目的（Purpose of Remittance） | | 入学検定料（Application Fee） |
| 送金先の金融機関 Financial institution of the remittance | 銀行名（Bank Name） | 岩手銀行（The Bank of Iwate, Ltd.） |
| | 支店名（Branch） | 県庁支店（Kencho Branch） |
| | 銀行住所（Branch Address） | 〒020-0023　岩手県盛岡市内丸 10-1 （10-1 Uchimaru,Morioka,020-0023,Japan） |
| | 口座番号（Account Number） | 普通預金 2000920 （Ordinary Deposit Account No.2000920） |
| | 受取人名義（Payee's Name） | 公立大学法人岩手県立大学理事長　遠藤　達雄 （ENDO TATSUO Chairman of Public University Corporation Iwate Prefectural University） |
| | スウィフト・コード（Swift Code） | BAIWJPJT |

## 5. Important Reminders Regarding Application

- Incomplete application documents will not be accepted.
- Documents should be filled clearly and accurately with a black ballpoint pen or in black ink.
- Subsequent revisions to application documents are not allowed after the application has been filed. However, if your name, address, and/or telephone number have changed, please contact the Entrance Examination Group at the Education Support Division.
- Once accepted, application documents will not be returned to applicants.

- An Examination Admission Card will be sent to applicants by post after we process the application. If it has not been received by three days before the examination day, please contact the Entrance Examination Group at the Education Support Division.

- Applicants found to have falsified their application documents will have their acceptance revoked, even after enrollment.

- Applicants with disabilities who require special consideration in order to take the examination or in the course of their expected studies should contact the Entrance Examination Group at the Education Support Division by the following dates.

  - **October 2018 Admission / 1st Application Period: Monday, May 28, 2018**
  - **2nd Application Period: Friday, December 14, 2018**

## V. Selection Method

### 1. Selection Method

Candidates for admission are screened comprehensively based on their performance during the oral examination and the evaluation of submitted documents and materials.

The oral examination includes a presentation by the applicant on his/her research accomplishments, and questions and answers (to elicit basic knowledge in his/her specialized field of study and English proficiency). The oral examination will be conducted in Japanese in principle, but may be conducted in English if necessary.

### 2. Examination Dates

- **October 2018 Admission / 1st Application Period: <u>Saturday, July 14, 2018</u>**
- **2nd Application Period: <u>Saturday, February 9, 2019</u>**

**Note:** Details of the examination schedule (date, time to enter the examination room, examination start time, etc.) will be provided to applicants along with the Examination Admission Card sent to them.

### 3. Examination Place

Iwate Prefectural University

Directions to IPU: http://www.iwate-pu.ac.jp/universityguide/directions.html

### 4. Important Reminders on Taking the Examination

- The Examination Admission Card must be carried with you during the examination and presented if requested by the officials in charge.

- If you forget to bring the Examination Admission Card on the examination day, please immediately request issuance of a temporary admission card at the Examination Headquarters. The Examination Admission Card should be retained as it will be required when you request disclosure of your examination results afterwards.

- You are required to be seated in the designated classroom by the designated start time and to wait for the examination. Those who are not in the room at the designated start time will be treated as absent.

- Mobile phone and other electronic devices are required to be switched off before entering the classroom.

- The lending or borrowing of items between examinees is totally prohibited.

- Please bring your own lunch as no food services are available on campus on the examination days.

- Telegram service agencies for examination results may be present around the university premises on the day of the examination. Please be aware that they are not related to the university. Accordingly, we will not be responsible for any problems that may occur by using such agencies.

- Examinees are allowed to visit the university premises beforehand only on the afternoon of the day prior to the examination day, but entering the university buildings is not allowed.
- Any additional notifications will be sent along with your Examination Admission Card.

## VI. Announcement and Successful Applicants

- **October 2018 Admission / 1$^{st}$ Application Period: at 1:00 p.m. on Tuesday, July 24, 2018** (projected)
- **2$^{nd}$ Application Period: at 1:00 p.m. on Tuesday, February 19, 2019** (projected)

  - Successful applicants will receive a Notification of Acceptance by post. A list of examinee numbers of the successful applicants will be posted on the University website at http://www.iwate-pu.ac.jp/
  - Enquiries regarding the examination results will not be accepted.

## VII. Enrollment Procedure

### 1. Enrollment Procedure

(1) Period for enrollment procedure

Documents necessary for the enrollment procedure must arrive during the following period without fail.

・October 2018 Admission: Friday, July 27, 2018 to Friday, August 3, 2018
・1st Application Period: Friday, October 5, 2018 to Friday, October 12, 2018
・2nd Application Period / October 2019 Admission: from Friday, February 22, 2019 to Friday, March 1, 2019

(2) How to enroll

Those who wish to enroll must send the necessary documents for the enrollment procedure (the relevant forms will be sent to successful applicants along with the Notification of Acceptance) by post using the envelope provided. Please send by **registered express mail** if submitting from within Japan or by **Express Mail Service (EMS)** if submitting from outside of Japan. Submission in person at the office is allowed only from 9:00 a.m. to 4:00 p.m. (closed 11:45 a.m. to 1:00 p.m.) during the following period.

・October 2018 Admission: Wednesday, August 1, 2018 to Friday, August 3, 2018
・1st Application Period: Wednesday, October 10, 2018 to Friday, October 12, 2018
・2nd Application Period / October 2019 Admission: Wednesday, February 27, 2019 to Friday, March 1, 2019

### 2. Payment for the First Year (as of April 1, 2018)

(1) Admission fee

The following amount is required for admission.

a. Residents of Iwate Prefecture: 225,600 yen

b. Non-residents of Iwate Prefecture: 338,400 yen

To be considered a resident of Iwate Prefecture, either the successful applicant or his/her spouse or first-degree relative must have lived in Iwate Prefecture continuously for one year prior to the date of enrollment (i.e., October 1, 2017 for October 2018 Enrollment; April 1, 2018 for April 2019 Enrollment; October 1, 2018 for October 2019 Enrollment). Non-residents of Iwate Prefecture are all those who do not fall under the abovementioned category**.**

(2) Tuition fee

Payment of tuition fee is to be made twice a year, for the first semester (by the end of May) and for the second semester (by the end of October).

Annual tuition fee: 535,800 yen

Note: If the tuition fee is revised, the revised amount will be charged.

(3) Other expenses

a. *Gakusei Kyoiku Kenkyu Saigai Shogai Hoken* (Disaster and Accident Insurance for Students) and *Gakkensai Futai Baisho Sekinin Hoken* (Personal Liability Insurance for Students)

Students are required to purchase policies for both of the above forms of insurance at the time of enrollment.

For Master's program students        Duration of insurance: two years        Insurance fee: 2,080 yen

b. Information regarding other expenses will be provided along with the Notification of Acceptance.

### 3. Procedure for Residence Status

International students are required to acquire a visa before entering Japan. Guidance information on the necessary procedure for visa

acquisition will be sent to successful applicants. Please prepare and submit the necessary documents in accordance with the guidance.

Note: This procedure is obligatory for all international students except those who are already residing in Japan with foreign student status.

## 4. Others

(1) Admission fee exemption

Those who meet any of the following conditions at the time of enrollment in the Graduate School are subject to receive an exemption from the admission fee requirement.

    a. A student of any faculty of Iwate Prefectural University for three years or longer; or has graduated from any faculty of the University.

    b. A student who has graduated from Iwate Prefectural University Morioka Junior College or Iwate Prefectural University Miyako College.

    c. A student who has completed studies at any Graduate School of Iwate Prefectural University.

    d. A student who has been deemed especially eligible for the exemption by the Chairman of Iwate Prefectural University.

(2) Exemption, payment by installments, deferred payment of tuition fee

Exemption, payment by installments, or deferred payment of tuition fee are available for students who have great difficulty in paying tuition fee or other expenses due to financial hardship or unexpected disaster, etc.

(3) Extended study program

The extended study program is a system that enables students in special circumstances, such as being in full-time work, to complete the course curriculum over a certain period of time exceeding the original duration of study (two years) in a well-planned way.

Those who take advantage of this program may pay their tuition fee (same amount as required for the regular program) by installment in accordance with the extended period.

## VIII. Request for the Disclosure of Personal Test Results

### 1. Information to be Disclosed

We will disclose the total score (of the oral examination and application documents).

### 2. Disclosure Request Acceptance Period

• October 2018 admissions / 1st Application Period**: From 1:00pm on Tuesday, July 24, 2018 to Thursday, August 23, 2018** (except Saturdays, Sundays, and public holidays)

• 2nd Application Period**: From 1:00 pm on Tuesday, February 19, 2019 to Monday, March 18, 2019** (except Saturdays, Sundays, and public holidays)

  - Visit at office: 9:00 a.m. to 4:00 p.m. (closed 11:45 a.m. to 1:00 p.m.)

  - Written request made by post: Request must be postmarked during the abovementioned period.

  - Disclosure requests made after the acceptance period, whether in person or by post, will not be accepted.

| Submit to: | Entrance Examination Group, Education Support Division, Iwate Prefectural University<br>152-52 Sugo, Takizawa, Iwate 020-0693, Japan     Tel: 019-694-2014 |
| --- | --- |

### 3. How to Ask for the Disclosure of Personal Test Results

(1) By office visits

ⅰ. The request must be made by the person who took the examination.

ⅱ. We will not disclose the results over the telephone.

ⅲ. The person making the request must present his/her Iwate Prefectural University Examination Admission Card (the Original) to confirm his/her identity.

(2) By written request made by post

Please submit the following documents by registered mail if making the request from within Japan or by Express Mail Service (EMS) if making the request from outside of Japan.

ⅰ. Request Form for the Disclosure of Personal Information (the person making the request must be the person who took the examination and the request form must be filled out by such person).

Note: Please download the request form from the University website at http://www.iwate-pu.ac.jp/examination/kaijiseikyu.html (in Japanese).

ⅱ. Examination Admission Card

ⅲ. A self-addressed envelope [Type No. 3] (with the name, address, and postal code of the person making the request. The address on the envelope must be the person making the request. Please enclose postage stamps equivalent to 392 yen if the request is from within Japan; or International Postal Coupons if sending from outside of Japan.)

[Number of coupons needed]

| Region | Asia | North America, Central America, Oceania, Middle East | Europe | South America, Africa |
|---|---|---|---|---|
| Number of coupons needed | 11 | 16 | 17 | 19 |
| Japanese yen equivalent to the coupons | 1,400 yen | 2,000 yen | 2,200 yen | 2,400 yen |

Note: If you wish to enclose Japanese postage stamps instead of International Postal Coupons, please make sure that the value of the stamps is equivalent to the relevant amount described above.

## 4. Disclosure Method

(1) For office visit

Your test results will be disclosed orally on the spot.

(2) For written request

A letter containing your test results will be sent in the provided envelope by post (e.g., registered mail).

## IX. Handling of Personal Information

In principle, except when required by law or regulation, personal information that we have obtained through application documents and other materials, and personal test results that we have used for student screening, will not be provided to third parties without the applicant's consent. However, personal information that we have used for student screening will be utilized for university administrative purposes, such as candidate-selection-related operations (e.g., entrance-exam-related statistical processing, research and studies on entrance examination systems), educational affairs management for enrolled students (e.g., enrollment records, academic guidance), student support management (e.g., health management, scholarship application), and payment management (e.g., tuition fee).

# X. Education and Research Areas

**1. Education and Research Areas/Laboratory** (Please confirm the details in advance as the listed items below are subject to change due to faculty member transfers or other reasons.)

## Fundamental Information Systems (◎: Main Areas of Education and Research,  ○: Others)

| Faculty Member | Mathematical Informatics / Theory of informatics | Software, OS | Embedded system | Parallel distributed computing | Network protocol | Sensor network | Overlay network | Mobile network | Information Security | Information retrieval | Geographic information system | Image processing / CG | Visual media processing / Computer vision | Human-computer interaction | Wearable device | Speech processing | Knowledge-based system | Natural language processing | Pattern recognition / optimization | Intelligent Robotics | Behavior and environment recognition | Kansei database | Web informatics, Service Informatics | Regional informatization | Information design | e-Learning | Teaching-learning support systems(Educational technology) | Information systems | Social system | Management engineering/Operations research(OR) | Management information | Medical welfare Information | Tourism information |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Professor, Akihiro ABE (阿部 昭博) | | | | | | | | | | | ○ | | | | | | | | | | | | | ◎ | | | | ◎ | | | | | ◎ |
| Professor, Toshimitsu INOMATA (猪股 俊光) | ○ | ○ | ◎ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Professor, JiaHong WANG (王 家宏) | | | | ◎ | | ◎ | | ◎ | | ◎ | | | | | | | | | | | | | | | | | | | | | | | |
| Professor, Jun SASAKI (佐々木 淳) | | | | | | | | | | | | | ○ | | | | | | | | | | ○ | | | | | ◎ | | | | ○ | ○ |
| Professor, Hiroyuki SATO (佐藤 裕幸) | | ○ | ◎ | ◎ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Professor, Toyoo TAKATA (高田 豊雄) | ◎ | | | | | | | ◎ | | | | | | | | | | | | | | | | | | | | | | | | | |
| Professor, Takeo TAKENO (竹野 健夫) | | | | | | | | | | | | | | | | | | | | | | | | | | | | ○ | | | ◎ | ○ | |
| Professor, Yoshitoshi MURATA (村田 嘉利) | | | | | | ◎ | | ○ | | | | | | | | ◎ | ○ | | | | | ◎ | | | | | | | | | | ◎ | ○ |
| Professor, Yoshikazu WATANABE (渡邊 慶和) | ◎ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ◎ | |
| Associate Professor, Yoshikazu ARAI (新井 義和) | | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Associate Professor, Hisashi ICHIKAWA (市川 尚) | | | | | | | | | | | | | | | | | | | | | | | | ◎ | ◎ | | | | | | | | ○ |
| Associate Professor, Shintaro IMAI (今井 信太郎) | | | ◎ | | ○ | ◎ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Associate Professor, Toshifumi UETAKE (植竹 俊文) | | | | | | | | | | | | | | | | | | | | | | | | | | | | ○ | | | ◎ | ○ | |
| Associate Professor, Azuma OKAMOTO (岡本 東) | | | | | | ○ | | | | | | | | | | | | | | | | | | | | | | ○ | | | ◎ | | |
| Associate Professor, Yusuke GOTO (後藤 裕介) | | | | | | | | | | | | | | | | | | | | | | | | | | | | ○ | | ◎ | ◎ | | |
| Associate Professor, Dawei CAI (蔡 大維) | | | ◎ | | ◎ | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | | |
| Associate Professor, Masanori TAKAGI (高木 正則) | | | | | | | | | | | | | | | | | | | | | | | | ◎ | ◎ | ○ | | | | | | | |
| Associate Professor, Bhed Bahadur BISTA | | | | ◎ | | ◎ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Associate Professor, Mitsuyoshi HORIKAWA (堀川 三好) | | | | | | ◎ | | | | | | | | | | | | | ○ | | | | | | | | | | ◎ | | | | |
| Assistant Professor, Kanayo OGURA (小倉 加奈代) | | | | | | | | | | | | | ○ | | | ◎ | | | | | | | | | ○ | | | | | | | | |
| Assistant Professor, Eiichiro KODAMA (児玉 英一郎) | ○ | | | ◎ | | | | | | | | | | | | | | | | | ◎ | | | | | | | | | | | | |
| Assistant Professor, Nobuyoshi SATO (佐藤 永欣) | | | | ◎ | ◎ | | | | | ◎ | | | | | | | | | | | | | | | | | | | | | | | |
| Assistant Professor, Eiji SUGINO (杉野 栄二) | | ◎ | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Assistant Professor, Akimasa SUZUKI (鈴木 彰真) | | | | | | | | | | | | | | | | | | | | ○ | | ◎ | | | | | | | | | | | |
| Assistant Professor, Hiroki TOMIZAWA (富澤 浩樹) | | | | | | | | | | | | | | | | | | | | | | | ○ | | | | | ◎ | | | | | |
| Assistant Professor, Masaki NARITA (成田 国輝) | | | | | ○ | ○ | | ◎ | | | | | | | | | | | | | | | | | | | | ○ | | | | | |
| Assistant Professor, Kenichi MINAMINO (南野 謙一) | | | | | | | | | | | | | | | | | | | | | | | ○ | | ◎ | | | | | | | | |
| Assistant Professor, Keizo YAMADA (山田 敬三) | ○ | | | | | | | | | | | | | | | | | ◎ | | | | | | | | | | | | | | | |
| Instructor, Kentaro KATAMACHI (片町 健太郎) | ◎ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## Knowledge and Media Systems (◎: Main Areas of Education and Research,  ○: Others)

| Faculty Member | Mathematical Informatics / Theory of informatics | Software, OS | Embedded system | Parallel distributed computing | Network protocol | Sensor network | Overlay network | Mobile network | Information Security | Information retrieval | Geographic information system | Image processing / CG | Visual media processing / Computer vision | Human-computer interaction | Wearable device | Speech processing | Knowledge-based system | Natural language processing | Pattern recognition / optimization | Intelligent Robotics | Behavior and environment recognition | Kansei database | Web informatics, Service Informatics | Regional informatization | Information design | e-Learning | Teaching-learning support systems(Educational technology) | Information systems | Social system | Management engineering/Operations research(OR) | Management information | Medical welfare Information | Tourism information |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Professor, Yoshiaki ITO (伊藤 慶明) | | | | | | | | | | | | | | | | ◎ | ○ | | ○ | | | | | | | | | | | | | | |
| Professor, Takashi OGATA (小方 孝) | | | | | | | | | | | | | | | | | ◎ | | | | | ◎ | | | | | | | | | | | |
| Professor, Masashi KAMEDA (亀田 昌志) | | | | | | | | | | | | ◎ | ◎ | | | | | | | | | | | | | | | | | | | | |
| Professor, Goutam CHAKRABORTY | | | | | ○ | | | | | | | | | | | | | | | | ◎ | | | | | | | | | | | | |
| Professor, Akio DOI (土井 章男) | | | | | | | | | | | | ◎ | ○ | ○ | | | | | | | | | | | | | | | | | | ○ | |
| Professor, Hiroshi NUNOKAWA (布川 博士) | | | | | | | | | | | | | | | | | | | | | | | ◎ | | | | | | | | | | ○ |
| Professor, Basabi CHAKRABORTY | | | | | | | | | | | | | | | | | ○ | | ◎ | | | | | | | | | | | | | | |
| Professor, Koji HASHIMOTO (橋本 浩二) | | | | ○ | ◎ | | ◎ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Professor, Hamido FUJITA (藤田 ハミド) | | | | | | | | | | | | | | ○ | | | ◎ | | | | | | ○ | | | | | | | | | | |
| Professor, Hiroshi MABUCHI (馬淵 浩司) | | | | | | | | | | | | | | | | | ◎ | | | | | | | | | | | | | ○ | | | |
| Associate Professor, Masaki KUREMATSU (榑松 理樹) | | | | | | | | | | | | | | | | | ◎ | ○ | | | | | | | | | | | | | | | |
| Associate Professor, Yoshia SAITO (齊藤 義仰) | | | | | | | | ◎ | | | | | | ○ | | | | | | | | | | | | | | | | | | | |
| Associate Professor, Ying DAI (戴 瑩) | | | | | | | | | | | | | ◎ | | | | ◎ | | | ◎ | ○ | | | | | | | | | | | | |
| Associate Professor, David RAMAMONJISOA | | | | | | | | | | | | | | | | | ◎ | ○ | ○ | | | | ○ | | | | | | ○ | | | | |
| Associate Professor, Jun HAKURA (羽倉 淳) | | | | | | | | | | | | | | | | | ◎ | ◎ | | | | | | | | | | | | | | | |
| Associate Professor, Oky Dicky A. PRIMA | | | | | | | | | | | | ◎ | ◎ | | | | | | | | | | | | | | | | | | | | |
| Associate Professor, Koichi MATSUDA (松田 浩一) | | | | | | | | | | | | ◎ | ◎ | | | | | | | | | | | | | | | | | | | | ○ |
| Associate Professor, Masafumi MATSUHARA (松原 雅文) | | | | | | | | | | | ◎ | | | | | | ◎ | | | | | | | | | | | | | | | | |
| Assistant Professor, Hisayoshi ITO (伊藤 久祥) | | | | | | | | | | | | ◎ | ◎ | | | | | | | | | | | | | | | | | ○ | | | |
| Assistant Professor, Kazunori KOJIMA (小嶋 和徳) | | | | | | | | | | | | ◎ | | | | | ◎ | | | | | | | | | | | | | | | | |
| Assistant Professor, Kiwamu SATO (佐藤 究) | | | | | | | | | | | | ◎ | | | | | ◎ | | | | | | | | | | | | | ○ | | | |
| Assistant Professor, Yoshinori TSUKADA (塚田 義典) | | | | | | | | | | | | ◎ | ◎ | | | | | | | | | | ○ | | | | | | | | | | |
| Assistant Professor, Dai NISHIOKA (西岡 大) | | | | | | | | | | ◎ | | | | ○ | | | | | | | | | | | | | | | | | | | |

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## Fundamental Information Systems

| Faculty Member | Research Theme |
|---|---|
| Professor, Akihiro ABE (阿部 昭博) | Practical study of regional information systems (tourism, community development, humanities), Information systems analysis and design (service design, participatory approach), Tourism informatics, GIS for solutions of social problems |
| Professor, Toshimitsu INOMATA (猪股 俊光) | Data Processing Method for Human Motion Estimation to Reduce Network and Sensor Node Loads |
| Professor, JiaHong WANG (王 家宏) | Selected Research Projects Conducted by the Research Group: An Approach to Constructing Infrastructure-independent Cloud Services; Online Storage Systems Using RAID Technologies; A Routing Algorithm for Mobile Ad Hoc Networks Used in Disaster-hit Area; A Distributed Privacy Preserving Data Mining Algorithm. |
| Professor, Jun SASAKI (佐々木 淳) | Information system development method, Highly reliable system design, Healthcare support information system, Tourist support system, Agricultural support system, Data collection and analysis from SNS |
| Professor, Hiroyuki SATO (佐藤 裕幸) | Applying technology of high performance processors to the embedded system, Applying technology of high performance processors to large scale system, Real time image processing for the autonomous running control system of an Automatic Guided Vehicle |
| Professor, Toyoo TAKATA (高田 豊雄) | Identifying Relations between Frequent Patterns Mined at Two Collaborative Web Sites |
| Professor, Takeo TAKENO (竹野 健夫) | Mathematical Programming, Stochastic Models and their applications in Information Systems for Production, Distribution and Management Systems especially for Inventory Control, Production Scheduling, Vehicle Routing. |
| Professor, Yoshitoshi MURATA (村田 嘉利) | Sensor and Database Applied System |
| Professor, Yoshikazu WATANABE (渡邊 慶和) | Study on development and evaluation of the information system --- empirical research by the mixed method using qualitative and quantitative data. |
| Associate Professor, Yoshikazu ARAI (新井 義和) | Local Communication Device, Multiple Robots Cooperation, Collision Avoidance between Robots, Motion Recognition of Robot, Robot Navigation, Automobile Drive Support System, Vehicle-to-Vehicle / Road-to-Vehicle Communication |
| Associate Professor, Hisashi ICHIKAWA (市川 尚) | e-Learning Teaching-learning support systems(Educational technology), Information systems |
| Associate Professor, Shintaro IMAI (今井 信太郎) | A cooperation method between the plurality of nodes for processing large amounts of data, A sensor system for a small scale farmer, Non-volatile Networking for smooth communication in large-scale disaster situations |
| Associate Professor, Toshifumi UETAKE (植竹 俊文) | Visualization of corporate and social information resources (knowledge, technology, know-how, etc.), System proposed by utilizing the information resources, Information systems development and evaluation using the methods and theory, such as management engineering and computer science & engineering. |
| Associate Professor, Azuma OKAMOTO (岡本 東) | Combinatorial optimization, Production and transportation scheduling (routing), Application of positioning technology for production process, Software component and software reuse, Information system for local public organizations, Planning system for cattle breeding |
| Associate Professor, Yusuke GOTO (後藤 裕介) | Agent-based social simulation, Analysis and evaluation of information systems, Gaming and simulation in career design, Community-minded ICT education, Simulation analysis of CFW programs in reconstruction process |
| Associate Professor, Dawei CAI (蔡 大維) | Wireless Communication for Portable Device, Development of Wearable Device with NFC and wireless recharge technology, Automatic Guidance System and Advance Management System |
| Associate Professor, Masanori TAKAGI (高木 正則) | Development of Information System for Teaching and Learning(e-Portfolio, e-Testing, Problem-Posing Learning Support System, Computer Supported Collaborative Learning), Practice and Evaluation on Education Using ICT, Agricultural Education Support Using Monitoring System for Agricultural Field |
| Associate Professor, Bhed Bahadur BISTA | Wireless Communications and Networking |
| Associate Professor, Mitsuyoshi HORIKAWA (堀川 三好) | Supply chain management for fish products distribution: a proposed model for the Japanese market |
| Assistant Professor, Kanayo OGURA (小倉 加奈代) | Developing Novel Communication Media based on Internal Properties of Human |
| Assistant Professor, Eiichiro KODAMA (児玉 英一郎) | Semantic Web, Linked Data, Algebraic Number Theory |
| Assistant Professor, Nobuyoshi SATO (佐藤 永欣) | Raid Road Map Survey for New Roads Using GPS Trajectories as Collective Intelligence |
| Assistant Professor, Eiji SUGINO (杉野 栄二) | Improving the Commercial Vehicle Safety by Collecting and Sharing Geographic Alarm Information |
| Assistant Professor, Akimasa SUZUKI (鈴木 彰真) | Kansei Search for Foods Using Onomatopoeia, Search System for Local Dishes and Restaurants, Notification around a Vehicle by Tactile Sense Using Seat Actuators, Indoor Positing System Using SS Ultrasonic Waves, and Robot Monitoring System Using SS Ultrasonic Waves |
| Assistant Professor, Hiroki TOMIZAWA (富澤 浩樹) | Information systems analysis design and operation, Development and operation of the digital archive as information systems, Collection and utilization of regional information for town planning and tourism-based community development, Experimental Social Sciences |
| Assistant Professor, Masaki NARITA (成田 国輝) | A Practical Study on Noise-Tolerant PN Code-Based Localization Attacks to Internet Threat Monitors |
| Assistant Professor, Kenichi MINAMINO (南野 謙一) | Systematic Utilization Method of Knowledge for Creative Activities |
| Assistant Professor, Keizo YAMADA (山田 敬三) | Characteristics discovery using genetic algorithm, Combinatorial optimization using genetic algorithm, Recommendation using multiagent system, Application to the recommendation of item response theory, Recommendation using the Analytic Hierarchy Process. |
| Instructor, Kentaro KATAMACHI (片町 健太郎) | The Simulation for Solute Transport in Soil Using CIP Method |

# Knowledge and Media Systems

| Faculty Member | Research Theme |
|---|---|
| Professor, Yoshiaki ITO (伊藤 慶明) | Spoken Term Detection (STD) in Multimedia Data |
| Professor, Takashi OGATA (小方 孝) | Narrative generation system, Cognitive science, Artificial intelligence, Natural language generation, Conceptual dictionary, Narratology, Literary theories, Story analysis, Narrative discourse, Media, Contents, Creativity |
| Professor, Masashi KAMEDA (亀田 昌志) | Super Resolution based on Total Variation Regularization, Optimum Frequency Band Partition for Subband Image Coding in Rate-Distortion Sense, Novel Image Compression Method for High Definition Image using Super Resolution, Objective Quality Measure for Evaluation of Texture |
| Professor, Goutam CHAKRABORTY | Dynamic System Modeling and its Applications |
| Professor, Akio DOI (土井 章男) | Advanced Visualization and Medical Imaging |
| Professor, Hiroshi NUNOKAWA (布川 博士) | TSP model service design of fourth-generation electronic book |
| Professor, Basabi CHAKRABORTY | Research on 1) Pattern recognition problems, such as face recognition, signature verification, gait identification etc. 2) Time series and Social media data analysis and mining 3)Solution of optimization problems using Soft computing Techniques |
| Professor, Koji HASHIMOTO (橋本 浩二) | Research and Development of Backend System for Live Streaming, Configurable Software Components for Tele-Conferencing System, User Interface Functions for Multi-Point/Angle Live Streaming System |
| Professor, Hamido FUJITA (藤田 ハミド) | Decision Making on financial analysis, medical analysis ; Subjective and Objective Fuzzy Aggregation Functions , Big Data based social networking, cloud robotics based Intelligent Health Service:   Look more on https://www.researchgate.net/ |
| Professor, Hiroshi MABUCHI (馬淵 浩司) | Solving Problem based on declarative Computation Model, Natural Language Understanding based on declarative Computation Model, Constructing Intelligent E-learning System, Automatic Music Composition using Features from Various Musical Pieces |
| Associate Professor, Masaki KUREMATSU (榑松 理樹) | A study of estimation issues and methods from patent documents based on term frequency in patent documents classified by experts. A study of speech synthesizes using sense of language and songs. A study of a triage support system for an emergency room. A study of speech recognition for diverse dialect. |
| Associate Professor, Yoshia SAITO (齊藤 義仰) | Implementation and Evaluation of a Road Information Sharing Scheme with a Still-Picture Internet Broadcasting System |
| Associate Professor, Ying DAI (戴 瑩) | ・Image/Video's retrieval considering human's Kansei ・Individual's status prediction and context understanding using big sensor data ・Facial image's Extraction and recognition, and emotion recognition based on the facial expression image; |
| Associate Professor, David RAMAMONJISOA | Ontology Modeling and Text/Data mining Applications, user comments, finance news and social networks analysis with AI techniques |
| Associate Professor, Jun HAKURA (羽倉 淳) | A Study on Invariant Detection from Time Series Data |
| Associate Professor, Oky Dicky A. PRIMA | Eye Tracking using both visible and infrared spectrum, automatic behavior (facial expression, head-nod, head-pose, utterance, and eye-blink) coding using a single omnidirectional camera, bio-information sensing, and communication support device for motor disabled patients. |
| Associate Professor, Koichi MATSUDA (松田 浩一) | Human Computer Interaction, CG, Geometric Modeling, Visualization of the local entertainment skills |
| Associate Professor, Masafumi MATSUHARA (松原 雅文) | Web Search Method for Mobile Phone, Text Input Method, Predictive Input Method, Eyes-Free Input Method, Japanese Input Method using Image Information, Pressure-Aware Character Input Algorithm for Mobile Phones, Context-Aware Character Input Algorithm for Mobile Phone Based on Artificial Neural Network, Twitter User Recommendation System, Music Recommendation System |
| Assistant Professor, Hisayoshi ITO (伊藤 久祥) | Suitable Image Resolution for Feeling of Linkage, Lesson Evaluation Index with Students' Gazes, Submitted Documents Management in University Classes Using QR Codes, Simple Testing for Visual Field Defect with Vowel Recognition |
| Assistant Professor, Kazunori KOJIMA (小嶋 和徳) | Parallel Distributed Evolutionary Computation |
| Assistant Professor, Kiwamu SATO (佐藤 究) | Japanese Sentence Handwriting Learning System for Special Needs Education |
| Assistant Professor, Yoshinori TSUKADA (塚田 義典) | Research and development of application systems using image processing technology and sensing technology. Mainly image recognition, 3D shape reconstruction from multi-viewpoint images, and modeling and understanding the present situation of features that utilize UAV. Also connect the real world and the cyber world for research on analyzing the trends of people, goods, and things. |
| Assistant Professor, Dai NISHIOKA (西岡 大) | Research on Anshin about information security |

## 2. Education and research areas/Learning models

| Education and Research Area | Learning Model | | Subjects | Academic Objectives | Future Career Paths |
|---|---|---|---|---|---|
| Fundamental Information Systems | Fundamental Systems | 1st term | High Speed Processing<br>Theory of Programming Languages<br>Advanced Study on Fundamental Information<br>Advance of Software Engineering<br>Advanced Information Networks Ⅲ | 1. Basic to advanced knowledge of system software (operating systems, language processing, data management, networks, middleware systems, etc.)<br>2. Basic knowledge of systems construction<br>3. Understanding of major current issues regarding system software<br>4. Practical experience in problem solving | 1. System software development at computer manufacturers<br>2. System software development at software manufacturers<br>3. System software development at information systems development divisions of companies<br>4. System software research and development at universities or corporations |
| | | 2nd term | Advanced Topics in System Software<br>Advanced Topics in System Design<br>Evaluation of Information System<br>Advanced Information Networks Ⅰ～Ⅱ | | |
| | Information-Fundamental Systems | 1st term | Theory of Programming Languages<br>Advanced Study on Fundamental Information<br>Advance of Software Engineering<br>Advanced Lecture on Information System Design<br>Advanced Information Networks Ⅲ | 1. Basic knowledge of system software (operating systems, language processing, data management, networks, middleware systems, etc.)<br>2. Basic knowledge of planning and designing of information systems<br>3. Basic knowledge of information systems infrastructure combined with system software<br>4. Practical experience in problem analysis and problem-solving approaches | 1. Information systems infrastructure development at computer manufacturers<br>2. Information systems infrastructure development at software manufacturers<br>3. Information systems infrastructure development at information systems development divisions of companies<br>4. Information systems infrastructure research and development at universities or corporations |
| | | 2nd term | Advanced Topics in System Software<br>Evaluation of Information System<br>Advanced Studies of Information Systems<br>Advanced Information Networks Ⅰ～Ⅱ | | |
| | Information Systems | 1st term | Advanced Study on Fundamental Information<br>Advance of Software Engineering<br>Advanced Lecture on Information System Design<br>Information Security Advanced Course Ⅰ～Ⅱ<br>Organizational System Analysis and Evaluation Ⅰ | 1. Abilities to make full use of advancing technologies in a creative manner for conducting research on fundamental issues of information systems construction, maintenance, and operation.<br>2. Leadership and operational abilities in planning and developing large-scale information systems<br>3. Abilities in project planning, project managing, strategic thinking, and group/organization operations<br>4. Practical experiences in problem analysis and problem-solving approaches. | 1. Information systems development at computer manufacturers<br>2. Information systems development at software manufacturers<br>3. Development, maintenance, and operation of information systems at information systems development divisions of companies<br>4. Information systems research and development at universities or companies<br>5. Development, maintenance, and operation of information systems at information planning divisions of autonomous bodies or public organizations<br>6. Systems consultation at think tanks or consulting firms |
| | | 2nd term | Advanced Lecture on Business Information or Advanced Lecture on Social Information Ⅰ～Ⅱ<br>Evaluation of Information System or Organizational System Analysis and Evaluation Ⅱ<br>Advanced Lecture on Information Systems<br>Advanced Information System Management<br>Information Security Advanced Course Ⅲ | | |
| Knowledge and Media Systems | Knowledge Systems | 1st term | Fundamental Theory of Knowledge Processing<br>Advances on Intelligent Systems<br>Advanced Topics on Intelligent Design Ⅰ～Ⅱ<br>Cognitive Information Processing<br>General Knowledge-Media Systems<br>Advanced Information Networks Ⅲ | 1. Specialized knowledge of knowledge processing<br>2. Specialized knowledge of intelligent control<br>3. Specialized knowledge on design, development, and operation of intelligence systems<br>4. Specialized knowledge about the cognitive science aspects of knowledge processing<br>5. Abilities/comprehensive understanding of designing and developing intelligence systems | 1. Intelligent systems planning/development divisions of companies<br>2. Intelligence system design, development, and operation project divisions of companies<br>3. Consultant sections at government offices or companies regarding the use or promotion of intelligence systems<br>4. Design/development of intelligent control apparatus at companies<br>5. Research and development on intelligence/intelligence processing at universities or companies |
| | | 2nd term | Advanced Intelligent Processing<br>Information Recognition<br>Introduction to Kansei Information<br>Advanced Information Networks Ⅰ～Ⅱ | | |
| | Knowledge-Media Systems | 1st term | Fundamental Theory of Knowledge Processing<br>Advanced on Intelligent Systems<br>General Knowledge-Media Systems<br>Advanced Computer Graphics<br>Advanced Information Networks Ⅲ | 1. Basic knowledge of intelligence and media<br>2. Basic knowledge of intelligent and media systems construction<br>3. Basic knowledge of information networks<br>4. Meaning of intelligent media systems in society<br>5. Practical experience in information processing through intelligent media | 1. Advanced intelligence systems development such as air traffic control systems or space robots in the aerospace industry<br>2. New system development in insurance or banking industries where intelligent data management systems are required<br>3. Systems development in industries in which the sophistication of medical systems or automatic control systems have been promoted<br>4. Research and development on intelligent media at universities or companies |
| | | 2nd term | Advanced Information Networks Ⅰ～Ⅱ<br>Advanced Intelligent Processing<br>Information recognition<br>Advances on Knowledge System Development | | |
| | Media Systems | 1st term | Information Security Advanced Course Ⅰ～Ⅱ<br>Advanced Information Networks Ⅲ<br>Advanced Computer Graphics<br>Information Environment Design<br>General Knowledge-Media Systems<br>Information Processing of Perception | 1. Basic knowledge of media technologies<br>2. Basic knowledge of media environment designs<br>3. Basic knowledge of media contents production<br>4. Meaning of media in society<br>5. Practical experience in information processing through media | 1. Development of human interface/media processing software at software manufacturers<br>2. Contents production for corporate public relations or information management<br>3. Multimedia technology divisions within the entertainment industry dealing with TV programs, films, and entertainment programs; sound, image, and CG production within the same industry<br>4. Research and development on media at universities or companies |
| | | 2nd term | Information Security Advanced Course Ⅲ<br>Advanced Information Networks Ⅰ～Ⅱ<br>Information Recognition<br>Introduction to Kansei Information | | |

We may change these as needed.

## 3. List of Subjects

| Subject Titles | | Eligible Year | | Credits | | | Requirements for Completion |
|---|---|---|---|---|---|---|---|
| Graduate School of Software and Information Science<br>Master's Program | | Year | Term | Compulsory | Elective | Free Elective | |
| Technical Subject | High Speed Processing | 1 | 1st | | 2 | | 30 or more credits are required for completion. |
| | High Performance Computing | 1 | 2nd | | 2 | | |
| | Theory of Programming Languages | 1 | 1st | | 2 | | |
| | Advanced Study on Fundamental Information | 1 | 1st | | 2 | | |
| | Advance of Software Engineering | 1 | 1st | | 2 | | You are required to earn 16 or more credits from the Technical Subjects, and 14 or more credits from the subjects under Seminars and Graduate Thesis. In addition, you need to pass the assessment of master's thesis (or research accomplishment[s]) and an examination. |
| | Advanced Lecture on Information System Design | 1 | 1st | | 2 | | |
| | Information Security Advanced Course Ⅰ | 1 | 1st | | 2 | | |
| | Information Security Advanced Course Ⅱ | 1 | 1st | | 2 | | |
| | Information Security Advanced Course Ⅲ | 1 | 2nd | | 2 | | |
| | Fundamental Theory of Knowledge Processing | 1 | 1st | | 2 | | |
| | Advances on Intelligent Systems | 1 | 1st | | 2 | | |
| | Advanced Topics on Intelligent Design Ⅰ | 1 | 1st | | 2 | | |
| | Advanced Topics on Intelligent Design Ⅱ | 1 | 1st | | 2 | | |
| | Cognitive Information Processing | 1 | 1st | | 2 | | |
| | General Knowledge-Media Systems | 1 | 1st | | 2 | | |
| | Advanced Computer Graphics | 1 | 1st | | 2 | | |
| | Information Environment Design | 1 | 1st | | 2 | | |
| | Information Processing of Perception | 1 | 1st | | 2 | | |
| | Advanced Topics in System Software | 1 | 2nd | | 2 | | |
| | Advanced Topics in System Design | 1 | 2nd | | 2 | | |
| | Evaluation of Information System | 1 | 2nd | | 2 | | |
| | Advanced Information Networks Ⅰ | 1 | 2nd | | 2 | | |
| | Advanced Information Networks Ⅱ | 1 | 2nd | | 2 | | |
| | Advanced Information Networks Ⅲ | 1 | 1st | | 2 | | |
| | Advanced Studies of Information Systems | 1 | 2nd | | 2 | | |
| | Advanced Lecture on Business Information | 1 | 2nd | | 2 | | |
| | Advanced Lecture on Social Information Ⅰ | 1 | 2nd | | 2 | | |
| | Advanced Lecture on Social Information Ⅱ | 1 | 2nd | | 2 | | |
| | Organizational System Analysis and Evaluation Ⅰ | 1 | 1st | | 2 | | |
| | Organizational System Analysis and Evaluation Ⅱ | 1 | 2nd | | 2 | | |
| | Advanced Lecture on Information Systems | 1 | 2nd | | 2 | | |
| | Advanced Information System Management | 1 | 2nd | | 2 | | |
| | Advanced Intelligent Processing | 1 | 2nd | | 2 | | |
| | Information Recognition | 1 | 2nd | | 2 | | |
| | Introduction to Kansei Information | 1 | 2nd | | 2 | | |
| | Advances on Knowledge System Development | 1 | 2nd | | 2 | | |
| Seminars and Graduate Thesis | Seminar Ⅰ | 1 | 1st & 2nd | 2 | | | |
| | Seminar Ⅱ | 1 | 1st & 2nd | 2 | | | |
| | Seminar Ⅲ | 2 | 1st & 2nd | 2 | | | |
| | Studies on Software and Information Science | 2 | 2 | 8 | | | |

We may change these as needed.