

**Program in Information and Management Systems**

Graduate School of Comprehensive Scientific Research

Prefectural University of Hiroshima (PUH)

**Student Application  
Requirements and Procedures**

2026 Academic Year

**Fall Admission**

Master's Program

Special Selection for the International Students

May 2026

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○ PUH in this document refers to the Prefectural University of Hiroshima.

○ The times described in this document are all listed in JST (Japan Standard Time).

## 2026 Academic Year Student Admission Schedule

Admission category	Application period	Date of selection	Announcement date of successful applicants	Admission procedure period
Fall admission	2026 June 11 (Thu.) to June 18 (Thu.)	July 3 (Fri.)	July 16 (Thu.)	July 17 (Fri.) to July 30 (Thu.)

Prefectural University of Hiroshima Graduate School of Comprehensive  
Scientific Research, Program in Information and Management Systems  
2026 Academic Year Fall Admission

1 Number of Persons to be Accepted

Selection category	Number of enrollments
Special selection for the International students	A few applicants

2 Application Requirements

(1) Special Selection for International Students

Applicants must meet at least one of the following items, or expect to meet the requirements no later than September 30, 2026.

Note that the provisions of “T” shall be applicable as of October 1, 2026.

- A. Have graduated from a university as stipulated in Article 83 of the School Education Act (hereinafter referred to as "University").
- B. Have been awarded a bachelor's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education, pursuant to the provisions of Article 104, Paragraph 4 of the School Education Act.
- C. Have completed 16 years of education from elementary school to an institute of higher learning such as a university in a country other than Japan.
- D. Have completed 16 years of education in Japan through correspondence courses offered by schools in countries other than Japan.
- E. Have completed a course of study at an educational institution in Japan that has been separately designated by the Minister of Education, Culture, Sports, Science and Technology as having university courses in a foreign country by the school education system of said foreign country (limited to those who have completed a 16-year course in the school education system of said foreign country).
- F. Have completed a specialized course at a vocational school (limited to a period of study of 4 years or more, and other criteria set by the Minister of Education, Culture, Sports, Science and Technology) that has been separately designated by the Minister of Education, Culture, Sports, Science and Technology, after the date specified by the Minister of Education, Culture, Sports, Science and Technology.  
Note: Have completed a specialized course at a vocational school and been granted an "advanced diploma".
- G. Have been designated by the Minister of Education, Culture, Sports, Science and Technology (under the Public Notice No.5 of the Ministry of Education of 1953).
- H. Have entered graduate school pursuant to the provisions of Article 102, Paragraph 2 of the School Education Act, and have been recognized by this graduate school as having academic abilities suitable for receiving education at this graduate school.
- I. Have been recognized, through screening by this graduate school, as having academic ability equal to or higher than those who have graduated from university, and have reached the age of 22.
- J. Do not have Japanese nationality or permanent residence status in Japan.

### 3 Screening

Applicants who meet the application requirements indicated in 2. (1) “H” or “I” above are required to complete screening in advance, and therefore must contact Admissions Division, Administrative Department, Prefectural University of Hiroshima (hereinafter referred to as the "Administrative Affairs Department") no later than Thursday May 21, 2026 to complete the following procedures.

#### (1) Submission Period

Must reach us between May 15 (Fri.) and May 28 (Thu.), 2026

Note 1: Please submit the screening application form and other documents to the Administrative Affairs Department.

Note 2: Only by mail will be accepted. You are not allowed to bring your own.

Note 3: Submissions must arrive no later than the last day of the submission period. Please write "Screening Application Form" in red on the envelope, and be sure to send it by "simple registered express mail".

#### (2) Application Documents

- A. Screening application form (using the prescribed format)
- B. Curriculum Vitae (using the prescribed format)
- C. Certificate of graduation (or expected graduation) from your university, or equivalent
- D. Academic transcript from your university, or equivalent
- E. Academic history, certificate of work experience (such as notifications of passing various exams, documents certifying qualifications, dissertations, reports, etc.)
- F. Stamped, self-addressed envelope (This envelope will be used to send notification of your screening results, so please write your address clearly on a standard size envelope (No. 3 long envelope, 12 cm x 23.5 cm) and affix a stamp or stamps for 760 yen (for simple registered express mail).)
- G. Other documents (Check with the Administrative Affairs Department for more information.)

#### (3) Submission Destination

Please submit these documents to the Administrative Affairs Department.

#### (4) Notification of Screening Results

You will be promptly notified of the results of your screening by mail. If you do not receive a notification by the first day of the application period, please inquire with the Administrative Affairs Department.

### 4 Schedule

Application period	June 11 (Thu.) ~ June 18 (Thu.), 2026 * All the application documents must reach us by the deadline.
Notification of the examinee's number	Examination slips can be printed starting at noon on June 29 (Mon.), 2026
Examination day	July 3 (Fri.), 2026
Announcement of successful applicants	Noon on July 16 (Thu.), 2026
Admission procedures	July 17 (Fri.) ~ July 30 (Thu.), 2026 * Accepted students who have not completed the procedures by the deadline will be considered as having declined the admission.

## 5 Selection Procedures

### (1) Date of Selection

July 3 (Fri.), 2026

### (2) Selection Procedure

The selection of applicants will be based on an overall evaluation of exam score (oral exam) and the submitted application documents.

Note that for the 2026 Fall Admission, examinations will be conducted online. Applicants will connect with the university from home via videoconferencing systems (such as Zoom).

### (3) Exam Topics and Allocation of Time

Exam topic	Important notes
Oral exam	The oral exam will be an approximately 20-minute. The exam will be held in the afternoon. The exam will be conducted for each individual applicant in order. The detailed schedule will be announced later.

### (4) Screening Method

Selection category	Screening method
Special selection for the International students	Applicants are comprehensively judged based on the contents of all submitted application documents.

### (5) Point allocation

Item	For non-native speaker of English	For native speaker of English
Oral exam	50%	60%
TOEIC/TOEFL Score	20%	-
Research Plan and other documents	30%	40%

## 6. Application Procedures

Applications are accepted only via the Internet application.

### Application Flow

#### 1. Input and register your information



Input your personal information. (Can be done anytime 24 hours a day.)



#### 2. Pay the application fee



Pay the application fee of 30,000-JPY by credit card.



#### 3. Print out then send the documents



Print out the application documents (A4 size, black-and-white accepted), confirm all the contents, and then send them using EMS or some other trackable postal means.

#### (1) Application Period (Internet Application and Document Submission Period)

Period for Internet application registration and payment of admission selection fee	June 11 (Thu.) 9:00 AM ~ June 18 (Thu.) 5:00 PM, 2026
Submission period of the application documents	June 11 (Thu.) ~ June 18 (Thu.), 2026 * All the application documents must reach us by the deadline.

\* The deadline for paying the admission selection fee can be found on a screen displayed after registering your application.

## (2) Application Documents Required for Submission

Internet Application Website Menu &gt; Download Application Documents

<https://www.pu-hiroshima.ac.jp/site/graduate-selection/csr-documents.html>

○: Accepted, ×: Not accepted

Application Document	Description	Submission	Method	
			Upload	EMS
Application Form	<p>You can print this out after registering your application information on the Internet and paying the application fee.</p> <p>On the "MyPage" screen of the Internet application website, select "Application Registration List" [出願申込一覧] and then "Open the PDF application form" 志願票(印刷)]. Print the application form out on A4, single-side paper for submission.</p>	Required	×	○
Curriculum Vitae (PUH Form)	Use the form downloaded from the official website of PUH. Either upload it or mail it via EMS for submission.	Required	○	○
Graduation certificate Or expected graduation certificate <b>*Original only</b>	<p>Submit a document prepared by the president or dean of your university. Attach a Japanese translation if the document is in any language other than Japanese.</p> <p>* Consult the PUH Administrative Affairs Department beforehand if you cannot submit an original copy of the document.</p> <p>* Persons who have graduated from an institute of higher learning in China must authenticate their graduation certificates at the China Higher Education Information and Student Information (中国高等教育学生信息网) website (<a href="http://www.chsi.com.cn/xlcx/">http://www.chsi.com.cn/xlcx/</a>), and submit a printout of the verification screen (Online Verification Report of Higher Education Qualification Certificate [教育部学历证书电子注册备案表]).</p>	Required	×	○
Copy of diploma, etc.	<u>Applicants who meet the requirements in 2. Application Requirements (1.2) above (including special selection for working adults and special selection for students from partner universities)</u> must submit a copy of their diploma or a certificate of graduation (or expected graduation) prepared by the president or dean of their junior college or technical college.	Only if applicable	×	○
Prefectural University of Hiroshima Graduate school screening approval form	This document is required only if you went through the screening process and were approved.	Only if applicable	×	○
Research plan (PUH Form)	Use the form downloaded from the official website of PUH. Select your desired research field and related items, referring to "Academic Advisors and Research Fields" shown in Table 166 (p. - 11 -). Either upload it or mail it via EMS for submission.	Required	○	○
Academic Transcript <b>*Original only</b>	Submit a document prepared and sealed by the president or dean of your university (graduate university).	Required	×	○
TOEIC/TOEFL Score Certificate <b>*Original only</b>	<p>Submit any of the following certificates (copies not acceptable). (Multiple certificates can be submitted.)</p> <p>Only score certificates for tests held on or after April 1, 2024 are valid. These certificates will be returned to applicants after the completion of the screening.</p> <ul style="list-style-type: none"> <li>• TOEIC® (L&amp;R or S&amp;W)</li> <li>• TOEIC® -IP(L&amp;R or S&amp;W)</li> <li>• TOEFL®-iBT</li> <li>• TOEFL®-ITP</li> </ul> <p><b>* No certificate is required for native speakers of English.</b></p>	Required	×	○
Photocopy of Passport	Submit a photocopy of the page showing your name, date of birth, sex, and nationality.	Required	×	○

### (3) Changes in an Internet Application

#### ① Before Paying Application Fee

You cannot change registered information after completing the registration.

In such a case, do not pay the admission selection fee, and then complete the application registration procedure again.

On the Internet application website, access "MyPage" (Refer to p. - 7 -) and then click "Carry out the application procedure" and input the information again from the start.

\* Do not pay from the application procedure before changing the registered information. Doing so will require a refund procedure at a later date.

(The previous registered information will be automatically eliminated if the payment procedure is not completed).



#### ② After Paying Application Fee

You cannot change the application, selection, or program in your application form. In this case, contact the PUH Admissions Division, immediately.

If you need to change any of the other contents, after printing out the application documents, cross out the incorrect information with two lines and then make the correction in red ink. (A correction seal is not required.)

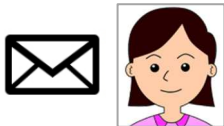
Email: puhnyusi@pu-hiroshima.ac.jp

\* Reception hours: Weekdays, 9:00 AM ~ 5:00 PM

### (4) Application Process

#### ① Preparation

Prepare the following four items before accessing Internet application website. In addition, if you will submit the "Research Plan" and "Curriculum Vitae" by uploading, prepare that data.



##### ■ Email address

\* The Administrative Affairs Dept. in PUH will use this to send notifications during application and guidance for printing your examinee sheet.

\* If you need to specify a domain to allow for reception of emails, perform settings so that you can receive email from the following domains: (@e-apply.jp, @pu-hiroshima.ac.jp).



##### ■ Face photo data for Application

\* The photo must be in JPEG format, within 4 MB, and taken within the 3 months from application.

\* It must be taken from the front, showing yourself from the chest up, bareheaded, against a plain white background, and with your face clearly shown.



##### ■ Printer and printing paper (A4 normal paper, black-and-white printing acceptable)

##### ■ Envelope for EMS or other similar postal means with tracking service

#### ② Access to Internet Application Website



Click "Prefectural University of Hiroshima / Online Application" [県立広島大学インターネット出願サイト].

\* You can also directly access <https://e-apply.jp/ds/puh/>



### ③ Setting of "MyPage"



#### ■ First time Registration

1. Click [マイページ登録/MyPage registration] button and make your "MyPage" according to the guidance.
  2. Your Password will be sent to your registered email address.
  3. Log in to "MyPage" using your email address and received Password.
  4. After this point, carry out the application procedure through the MyPage. Be sure to make a note of your registered email address and Password so that you do not forget them.
- \*You cannot change the email address after making your MyPage.

#### ■ After the First Time Registration

1. Log in to "MyPage" using your registered email address and Password.
2. If you forgot your registered email address or Password, you can access the following URL and inquire by email.

★ Support page for Internet application website: <https://e-apply.jp/e/support/>

### ④ Input of Personal Information and Uploading Face Photo Data (and Application Documents)



1. Click "Carry out the application procedure" and select the program carefully making sure there are no mistakes.
2. Register your application and personal information, according to the on-screen instructions.
3. Upload your face photo data and, if necessary, "Research Plan" and "Curriculum Vitae."

\* In "Current Address," make sure to write exactly and without abbreviation an address where you can surely get the documents mailed from PUH. PUH is not responsible for any documents you do not receive.

\* Be sure to check all the contents you entered. (You cannot change information after the registration is complete.)

\* Make sure to record the reception number that is displayed after the application registration.

### ⑤ Payment of Application Fee



After registering your application information, follow the on-screen instructions and pay 30,000 JPY as the application fee by credit card.

If you are applying for the 2026 MEXT Scholarship (University Recommendation), you can defer payment.

\* Attention

You must pay the corresponding handling charges when paying the fee.

### ⑥ Print-out and Submission of Application Documents



1. Log in to the "MyPage" through the Internet application website.
2. Select "Application Registration List [出願申込一覧]" and then "Open the PDF application form [志願票 (印刷)]."
3. Download the application form and print it out with A4 paper, single side.
4. Submit all the application documents (refer to page 3) with the printed application form to the designated destination by EMS or other similar postal means with tracking service.

\* Make sure to include your "Research Plan" and "Curriculum Vitae," if you are not submitting them by uploading. When you have already submitted "Research Plan" and "Curriculum Vitae" by uploading, you do not need to send them.

\* The Administrative Affairs Dept. cannot reply to inquiries to confirm the arrival of sent documents.

\* If necessary, check the delivery status of your sent documents using tracking services, such as those on the JP Post website.

\* The Administrative Affairs Dept. does not notify you of the arrival of your sent documents. We will contact the registered email address only when there is a problem with the application documents.

## ⑦ Print-out Examination Slip

You can print your examination slip from noon on June 29 (Mon.), 2026.



1. On the above date, an "Information for printing Examination Slip" will be sent to the registered e-mail address of those who have completed the application procedures.
  2. Log in to the "MyPage" through the Internet application website.
  3. Click [受験票] button, and then print out the slip with A4 paper, single side.
  4. Make sure to have the slip ready on hand on the day of the examination day.
- \* When you cannot print the slip, contact the PUH Admissions Division. immediately (refer to page 6).

## 7. Mailing Address and Contact

Admissions Division, Administrative Department, Prefectural University of Hiroshima  
1-1-71 Ujina-Higashi, Minami-ku, Hiroshima City, Hiroshima Pref. 734-8558, Japan  
TEL +81-82-251-9540

Email: puhnyusi@pu-hiroshima.ac.jp

\* Reception hours: Weekdays, 9:00 AM ~ 5:00 PM

## 8. Notes about Application Procedures

- (1) Application periods and times are in Japanese Standard Time (JST, UTC+9).  
Make sure that application documents reach PUH within the designated period.
- (2) Fill in the application documents with a pen in black ink or ballpoint pen (not erasable).
- (3) You cannot change "Application Group," "Selection Group," or "Program Group" after your application documents are received, regardless of the reason.
- (4) If there is a change to your address, phone number, or email address after application, contact the Admissions Division, Administrative Department. immediately. PUH will not be responsible if mailed documents or contact from PUH do not reach you because the contents in your application were changed.
- (5) Admission will be revoked if the application requirements are not met by September 30, 2026.
- (6) Admission might be revoked if any contents of the application documents are found to contain falsehoods, even after the admission has been approved.
- (7) Application documents already received by PUH and admission selection fees already paid cannot be returned to you. However, an application fee which is already paid can be refunded if no application documents are submitted. In such cases, please inquire with the Admissions Division, Administrative Department, by email in English by September 30, 2026.

## 9. Prior Consultations

Be sure to consult in advance by email or letter with your desired advisors concerning your research plan.

## 10. Prior Consultations of Physically Challenged and Similar Applicants

- (1) Applicants with physical challenges who require additional consideration regarding exams and/or study should contact the Admissions Division, Administrative Department no later than Thursday, May 21, 2026.  
When submitting your application, please prepare an "Application for Additional Consideration during Exams for Physically Challenged Students" and "Consultation Form for Special Consideration Regarding Studies", attach the necessary documents, and submit them by mail to the Admissions Division, Administrative Department.
- (2) You can download the forms for the "Application for Additional Consideration during Exams for Physically Challenged Students" and "Consultation Form for Special Consideration Regarding Studies" from the PUH website at the URL shown below.

[Entrance Exam Information](#) > [Special Consideration for Exams](#)

<http://www.pu-hiroshima.ac.jp/soshiki/32/hairyo.html>

## 11 Announcement of Selection Result

### (1) Date and Time

Noon on July 16 (Thu.), 2026

### (2) Announcement Method

- ① Successful applicants will be mailed an acceptance letter.
- ② The examinee's numbers of the successful applicants will be listed on the official website of PUH, but be sure to check for your acceptance letter.  
\* URL: <https://www.pu-hiroshima.ac.jp/>
- ③ PUH cannot respond to inquiries made by telephone or other methods regarding acceptance.

## 12 Admission Procedures

Details about the admission procedure guide will be sent with the acceptance letter to successful applicants by EMS. Information about the payment of the admission fee will be provided after admission. (PUH does not accept cash.)

### (1) Admission Procedure Period

July 17 (Fri.) ~ July 30 (Thu.), 2026

- \* Make sure that the admission documents will reach us no later than July 30 (Thu.), 2026.
- \* Accepted students who have not completed the procedures by the deadline will be considered as having declined the admission.

### (2) Admission Procedure Instruction

- ① Make sure to submit all the documents required for admission within the designated period by EMS or other similar postal means with tracking service.
- ② An admission letter is sent to successful applicants who completed the admission procedure.
- ③ If an applicant applied as expecting to graduate from university or college but cannot acquire the applicable admission qualification by September 30, 2026, then admission will be revoked for that applicant.

### (3) Admission Fees

Admission fees are as indicated below.

- \* Admission fees cannot be paid in installments.
- \* Information regarding payment of tuition will be provided separately after admission.

Enrollee	Admission fee
Those with an address in Hiroshima Prefecture * Refers to those who have had an address in Hiroshima Prefecture continuously for at least one year as of June 1, 2026	282,000 yen
Those other than the above	394,800 yen

### (4) Department in Charge of Admission Procedures

Admissions Division, Administrative Department, Prefectural University of Hiroshima  
1-1-71 Ujina-Higashi, Minami-ku, Hiroshima City, Hiroshima Pref. 734-8558, Japan  
TEL +81-82-251-9540 FAX +81-82-251-9545  
Email: [puhnnyusi@pu-hiroshima.ac.jp](mailto:puhnnyusi@pu-hiroshima.ac.jp)  
\* Reception hours: Weekdays, 9:00 AM ~ 5:00 PM

### (5) Important Notes on Admission Procedures

- ① Admission documents already received by PUH cannot be returned to you. However, an admission fee and other fees which

are already paid can be refunded if the admission procedure is not completed after payment. In such cases, please inquire with the Admissions Division, Administrative Department, by email in English by September 30, 2026.

② Accepted students who have not completed the procedures by the deadline will be considered as having declined the admission.

### 13 Tuition and Other Fees

#### (1) Tuition

##### A. Fee for tuition

Annual tuition is 535,800 yen.

\* This is the current tuition.

If the tuition changes while you are a student, the new fee will be applied from after the time the fee is changed.

##### B. Payment method

In principle, payment should be made by bank transfer. Payment should be made in two installments, with payment for the first half due at the end of May and payment for the second half due at the end of October.

#### (2) Other Fees and Expenses

Students are expected to pay other fees and expenses in addition to the above such as fees for Personal Accident Insurance for Students Pursuing Education and Research ("Gakkensai"), and liability insurance coupled with PAS, as well as for textbooks and other materials.

### 14 Handling of Personal Information

Personal information (Name, Address, Date of Birth, Other Personal Information, etc.) acquired through student selection will be used only for the student selection, acceptance letter, admission procedure, and surveys / research on student selection (improvement of entrance exams, surveys and analysis of applicant trends, etc.).

### 15 Doctoral Program (2nd Half) of the Graduate School of Comprehensive Scientific Research

In certain fields, students may advance to Doctoral Program (2nd Half) of the Graduate School of Comprehensive Scientific Research. Please refer to the attached "Table of Academic Advisors and Research Fields" for eligible faculty members.

For details regarding the application to Doctoral Program (2nd Half) in Program in Biological System Sciences, please consult the admission guidelines for the department.

## 16 Table of Academic Advisors and Research Fields

Please contact the academic advisors for more information.

Make sure that you consult with your desired advisor concerning your research plan.

Fields	Position	Name, Subject (class), Email	Outline of Research	Research Themes
Information Systems	Prof.	Takumi ICHIMURA  Computational Intelligence  ichimura @pu-hiroshima.ac.jp	Our current research theme is a theoretical study of Deep Learning and its application to real world problems. This research topic is well known to be a heading for real AI. Our proposed model finds self-organized structures of networks during learning and extracts the visible knowledge from the network.	<ul style="list-style-type: none"> <li>Adaptive structural learning method of deep learning.</li> </ul>
	Prof. ★	Hisako ORIMOTO  Processing of Environmental Information  orimoto @pu-hiroshima.ac.jp	In the actual sound environment systems, the observed data often contain several fluctuating noises. Therefore, it is necessary to estimate the specific signal based on the observed data. Our research focuses on the noise cancellation and diagnosis methods of stochastic statistical models based on Bayes' theorem.	<ul style="list-style-type: none"> <li>Signal processing adapted to higher order correlation information</li> <li>Noise cancellation method using air- and bone-conducted speech signals</li> <li>Diagnosis method of machine using sound and vibration information</li> </ul>
	Prof. ★	Tetsuya SHIGEYASU  Applied Information Systems  sigeyasu @pu-hiroshima.ac.jp	We are developing applied information systems based on wireless computer networks. In particular, our research focuses on network protocols for improving the network performances (throughput, delay, connectivity).	<ul style="list-style-type: none"> <li>Wireless sensor network</li> <li>Disaster information collection system</li> <li>Collision avoidance protocol on wireless LANs</li> </ul>
	Prof.	Yegui XIAO  Adaptive Systems  xiao @pu-hiroshima.ac.jp	In digital communications, biomedical engineering, control, power engineering, etc., the analysis, cancellation, and control of various signals and noises are indispensable. Our research effort has been focused on developing cutting-edge low-cost-high-performance algorithms and systems for real-life applications. We are also interested in biometrics and time-series forecasting using adaptive neural networks.	<ul style="list-style-type: none"> <li>Advanced active noise control systems for large-scale rotating machines.</li> <li>Adaptive nonlinear filters for both fetal ECG (FECG) extraction and speech enhancement.</li> <li>Adaptive vibration analysis for monitoring and fault detection.</li> <li>Time-series analysis and prediction using advanced soft computing techniques.</li> </ul>

Fields	Position	Name, Subject (class), Email	Outline of Research	Research Themes
Information Systems	Prof.	Chunxiang CHEN  Information Networks  chen @pu-hiroshima.ac.jp	Quality of service (QoS) on the Internet is more important than ever due to the adoption of packet switching in the Internet. Our current research interests include performance evaluation of communication networks, multiple-traffic-control on multiple-channel systems and OoS on the Internet.	<ul style="list-style-type: none"> <li>• Error control and quality of service (QoS).</li> <li>• New generation network architecture and traffic engineering.</li> <li>• Network management and operation.</li> <li>• Traffic control on multiple-channel systems.</li> </ul>
	Prof.	Masaaki NORO  Distirubted Processing Systems  norono @pu-hiroshima.ac.jp	Distributed systems such as cloud environments and IoT systems require a wide range of skills in both development and management. This raises the barrier to system implementation and performance improvement and also dayly operations. We study development and management technology to lower this barrier.	<ul style="list-style-type: none"> <li>• No-code programming for IoT systems</li> <li>• Embedded OS for open-source hardware</li> <li>• System management based on network traffic analysis</li> </ul>
	Prof. ★	Hugang HAN  Intelligent Information Systems  hhan @pu-hiroshima.ac.jp	In order to design a stable fuzzy control system, usually two types of models, i.e., T-S/polynomial fuzzy models, are used to synthesize a controller for the system concerned. Our study focuses on both the fuzzy models with system uncertainty including disturbances, modeling errors, and so on. Recently, we have been making great effort on the so-called uncertainty observer, which is involved in the controller design, trying to improve control performance.	<ul style="list-style-type: none"> <li>• T-S/polynomial fuzzy controller designs with system uncertainty</li> <li>• State/uncertainty observers to be utilized in adaptive fuzzy control systems</li> <li>• Fuzzy modeling approaches employing the approximation property of neural networks.</li> </ul>
	Assoc. Prof.	Masayuki OKABE  Database Engineering  okabe @pu-hiroshima.ac.jp	We study the methodologies for developing intelligent and easy-to-use information systems and services using knowledge discovery techniques such as machine learning, data mining, and information retrieval. Research topics include semi-supervised learning algorithms, active sampling method for training data, outlier detection from stream data and context dependent information retrieval systems. Furthermore, we also study some relevant topics such as UI development for interactive data analysis and the application of human computation.	<ul style="list-style-type: none"> <li>• Semi-Supervised Learning and Clustering</li> <li>• Anomaly Detection from Stream data</li> <li>• Context Dependent Information Retrieval</li> </ul>

★ Supervisors of PhD students in Doctoral Program of Biological System Science of PUH.

Fields	Position	Name, Subject (class), Email	Outline of Research	Research Themes
Information and Social Sciences	Prof. ★	Tetsuji TONDA  Statistical Modeling  ttetsuji @pu-hiroshima.ac.jp	There exist many statistical methods to analyze data. To carry out an effective analysis without loss of information, we select or develop a statistical method based on the properties of data. Our research is focused on developing a statistical method for longitudinal data, spatial data, and exposure data, and their applications to real data.	<ul style="list-style-type: none"> <li>• Statistical inference on time varying coefficients for longitudinal data.</li> <li>• Statistical inference on space varying coefficients for spatial data.</li> <li>• Quantitative evaluation of the effect of radiation/chemical exposure on health status.</li> <li>• Developing a statistical method for spatial survival data and its application to data on A-bomb survivors</li> </ul>
	Assoc. Prof.	Daisuke HIROTANI  Intelligent Production Systems  dhiro @pu-hiroshima.ac.jp	Recently, production systems are becoming bigger and more complex. Our research focuses on production systems, and in particular, the Toyota production system (TPS), supply chain management, and cellular manufacturing. In addition, our research focuses on dynamic worker assignment methods for cross-trained workers such as Bucket Brigades production (known as self-balancing production lines).	<ul style="list-style-type: none"> <li>• Kanban control mechanisms for the Toyota production system (TPS)</li> <li>• Inventory control for supply chain management</li> <li>• Cell formation procedures for cellular manufacturing</li> <li>• Dynamic worker assignment methods for cross-trained workers</li> <li>• Optimal worker assignment for bucket brigades production</li> </ul>
	Assoc. Prof.	Takeshi MATSUI  Systems Optimization  tak-matsui @pu-hiroshima.ac.jp	Our research focuses on constructing mathematical models that consider numerical ambiguity and probabilistic uncertainty in uncertain environments, deriving optimal solutions through system optimization of these mathematical models, and verifying their effectiveness through computer simulations.	<ul style="list-style-type: none"> <li>• Development of advanced mathematical optimization methods</li> <li>• Mathematical modeling and optimization under uncertainty and ambiguity</li> <li>• Application to actual decision-making situations</li> </ul>
Corporate Management	Assoc. Prof.	Toru HASHIGAMI  Financial Accounting Study  t-hashigami @pu-hiroshima.ac.jp	This study focuses on some modern topics regarding the financial accounting. The accounting system in Japan is changing dynamically and subject to International Financial Reporting Standards (IFRS) due to the agreement between the Accounting Standards Board of Japan (ASBJ) and the International Accounting Standards Board (IASB).	<ul style="list-style-type: none"> <li>• Study on the introduction of IFRS to Japan.</li> <li>• Study on new concepts of assets, liability, income, and so on.</li> <li>• Study on the importance of the cash flow statements under some situations where companies become insolvent.</li> <li>• Study on some advanced analyses of financial data.</li> </ul>

★ Supervisors of PhD students in Doctoral Program of Biological System Science of PUH.

## For inquiries about the entrance examination:

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Program in Information and Management Systems

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