Application Procedure
for
Foreign Student Admission
to

Department of Engineering
Graduate School of Sustainability Science
Master’s Program, 2020
( April entrance )

Tottori University
4-101 Koyama-Minami, Tottori, 680-8552 Japan
Phone: +81-857-31-6761
This “Application Procedure for Foreign Student Admission” includes information both for First Period Application and for Second Period Application.

Applicants for First Period Application should refer to the pages 1 – 6, 13, and the subsequent pages.

Applicants for Second Period Application should refer to the pages 7 – 13, and the subsequent pages.
Application Procedure for Admission

( First Period Application )

1. Courses and Number of Enrollments

<table>
<thead>
<tr>
<th>Courses</th>
<th>Number of Enrollments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical and Aerospace Engineering</td>
<td>a few</td>
</tr>
<tr>
<td>Information and Electronics</td>
<td>a few</td>
</tr>
<tr>
<td>Chemistry and Biotechnology</td>
<td>a few</td>
</tr>
<tr>
<td>Social Systems and Civil Engineering</td>
<td>a few</td>
</tr>
</tbody>
</table>

2. Qualifications for Application

Non-Japanese citizens who meet one of the following qualifications are eligible for application.

1. Have graduated from an accredited university abroad, or are expected to graduate by the end of March, 2020 and completed 16-years schooling in foreign countries.
2. Have been approved by the Japanese Minister of Education, Culture, Sports, Science and Technology of Japan.
3. Have been approved by Department of Engineering, Graduate School of Sustainability Science, Tottori University, as having academic ability equivalent to university graduates and will become 22 years old or more by March 31, 2020.※1
4. Have completed or be expected to complete the program (limited to the ones that their graduates are regarded as completion of 16-years school education of the foreign country) provided by the educational institution that is founded as a part of the formal education system of the foreign country, and is also specified elsewhere by Minister of Education, Culture, Sports, Science and Technology of Japan, on or before March 31 of 2020.
5. Have received or be expected to receive a degree equivalent to bachelor’s degree by completing the program of more than 3 years (including degrees obtained by completing the distance education program provided by the foreign university while residing in Japan, or by completing the program specified by Qualification 4 above at the educational institution founded on the formal education system of the foreign country) at university or other forms of school in foreign country (limited to the institutions specified by Minister of Education, Culture, Sports, Science and Technology of Japan, as having being assessed their activities including research and education by the body certified by the residing government or the relevant institutions, or as being equivalent), on or before March 31 of 2020.

※1 Applicants who fall in the qualification 3 above should submit their admission application (Form 1), past professional and research record (Form 2), Transcript of degree or graduation certificate issued by the university or college attended, and Transcript of scholastic record issued by the university or college attended. The submission should be from Tuesday, May 28, 2019 to Friday, May 31, 2019. Qualification review results will be mailed to the applicants on Tuesday, June 11, 2019.
Note.
1. Most lectures in the Department of Engineering, Graduate School of Sustainability Science, Tottori University are offered in Japanese. Applicants should note that it is essential to achieve a sufficient mastery of the Japanese language before their admission.
2. Before applying to the Graduate School (master’s program), applicants are advised to take one or two semesters of study as Postgraduate Research Students (non-degree program)※2 under a desired supervisor to fill in gaps in their engineering education and to acquire a good command of Japanese language in preparation for the entrance examinations.

3. Application Procedure

3.1 Choice of Course and Desired Academic Supervisor
The applicant must choose one of the four courses and the desired academic supervisor, and write them in the appropriate columns of the application form (Form 1). The applicant must contact with the desired academic supervisor written in Form 1 before submitting the application.

3.2 Application Period
Applications will be accepted from 9:00 to 17:00 from Tuesday, July 23 to Friday, July 26, 2019 at the Student Section in the Faculty of Engineering, Tottori University. Those who send applications by mail should use registered mail and write ‘Application Forms for Master’s program’ in red on the front of the envelope. All applications must reach Student Section in Faculty of Engineering, Tottori University, no later than 17:00 on Friday, July 26, 2019. Any applications received after this due will not be accepted.

3.3 Application Documents
Applicants should submit the following documents to the Student Section in the Faculty of Engineering, Tottori University, during the above-mentioned application period.

1. Application Form for Admission (Form 1)
2. Admission Cards with photos (in duplicate)
3. Transcript of degree or graduation certificate issued by the university or college that you have attended.
4. Transcript of scholastic record issued by the university or college that you have attended. This should be a confidential communication between the university or college that you have attended and Tottori University.
5. Letter of Recommendation from the President, Dean or Department Chairman of the university or college that you have attended.
7. Certificate of Residence, copy of Residence Card, or copy of Passport. (Foreigners residing in Japan should submit a copy of their Residence Card (both sides) or a Certificate of Residence issued by the city or town office you live in. Other foreigners should submit a copy of your passport.)
8. Examination fee of 30,000 yen※3

※2 See Appendix.
※3 Complete the payment at a nearby bank in Japan by the slip enclosed in this booklet. Then, stick the payment receipt slip (the right part of the form: 検定料受領証明書) on the Application Payment Confirmation Slip part in Form 1.
Payment Period:
The First Period Application is from Friday, July 12 to Friday, July 26, 2019.
3.4 Note

1. Incomplete or incorrect application forms and documents will not be accepted.
2. The above mentioned items of the application are not substitutable once they have been received by the Student Section in the Faculty of Engineering, Tottori University.
3. Under any circumstances, the application forms, documents and examination fee cannot be returned to the applicant once they have been received by the Student Section in Faculty of Engineering, Tottori University.
4. Application should be written either in block capitals or typed.
4. Screening

4.1 Screening Procedure

Preliminary screening for admission will be made on the basis of the submitted documents. Applicants who pass this preliminary screening will be notified to take a subsequent written examinations in the following subjects and an oral examination.

1. Course of Mechanical and Aerospace Engineering  
   Thursday, August 22, 2019  
   (1) Mathematics / 9:00-11:00  
   (2) Physics for Mechanical Engineering / 12:30-14:30  
   (3) Oral Examination / 15:00-

2. Course of Information and Electronics  
   Thursday, August 22, 2019  
   (1) Mathematics / 9:00-11:00  
   (2) Oral Examination / 14:00-

3. Course of Chemistry and Biotechnology  
   Thursday, August 22, 2019  
   Two from the following four subjects / 9:00-12:00  
   • Organic Chemistry, Analytical Chemistry  
   • Inorganic Chemistry, Physical Chemistry  
   • Microbiology, Molecular Biology  
   • Biochemistry, Structural Biology  
   ※ Bring a scientific calculator  
   (2) Oral Examination / 14:00-

4. Course of Social Systems and Civil Engineering  
   Thursday, August 22, 2019  
   (1) Mathematics / 9:00-10:30  
   (2) Social Systems and Civil Engineering / 10:45-11:55  
   (3) Oral Examination / 13:00-

Venue: Department of Engineering, Graduate School of Sustainability Science (Faculty of Engineering Building), Tottori University, 4-101 Koyama Minami, Tottori 680-8552, Japan

Note.

1. Applicants should bring the Admission Card with them to the venue of examination. The Card should be placed on the designated desk during the written examination.

2. Applicants are requested to enter the examination room by 8:45. The information regarding examination rooms and others, will be posted on the notice board of the Department of Engineering, Graduate School of Sustainability Science (at the main entrance of the Faculty of Engineering Building) from 15:00 the day before the written examination.

3. Late-comer to the examination may be allowed to take examination only if he or she arrives the venue of examination no later than 30 minutes after the examination starting time.
4.2 Preliminary Consultation for Handicapped Applicants

Applicants with physical disabilities who need some specific assistances during the examination as well as study terms after entrance, must submit a document (written in arbitral format) including the following items and a medical certificate prepared by a physician to Student Section in Faculty of Engineering, Tottori University, by Friday, July 5, 2019, during the examination and while attending graduate school.

1. Name of applicant, address and telephone number
2. School from which you graduated
3. Course and Field of your choice
4. Type and degree of disability
5. Attention needed upon examination
6. Attention needed while attending graduate school
7. Measures and supports provided at previous schools
8. Conditions of daily life

In addition, if Tottori University sees the need, the university will have interviews with the applicants or people from their current or previous schools, or other related persons, who are able to speak on behalf of the applicants.

5. Notification of Results

The results of the screening will be put on the web page of Tottori University around 11:00 on Friday, September 6, 2019 (http://www.admissions.adm.tottori-u.ac.jp/).

The notifications of acceptance will be mailed to the successful applicants, except for the student currently attending Tottori University to whom the notification will be handed directly at Student section in Faculty of Engineering. Inquiries about the results by other means such as phone and e-mail are not available.

Detailed information concerning registration after acceptance will be informed to the successful applicants in early February, 2020.

6. Admission and Tuition Fees

1. Admission Fee*: 282,000 yen (planned amount. Must be paid at the time of registration. Not refundable.)
2. Tuition Fee*: 535,800 yen for one academic year (planned amount)

Note.

1. University admission and tuition fees above are estimates only. In cases where fee adjustments are announced while students are entering university or when they are already enrolled, students will be requested to pay the adjusted fees.
2. The method for paying tuition fee will be announced later when you are guided for university entrance procedure.

*Foreign students supported by the scholarship from Japanese Government are exempt from the admission and the tuition fees.
7. **Inquiries**

Any inquiries related to the application to Department of Engineering, Graduate School of Sustainability Science, Tottori University, should be made by mail to Student Section in Faculty of Engineering, Tottori University, given below.

Student Section in Faculty of Engineering  
Department of Engineering, Graduate School of Sustainability Science  
Tottori University  
4-101 Koyama-Minami, Tottori, 680-8552 Japan  
Phone: +81-857-31-6761  
E-mail: en-kyoumu@ml.adm.tottori-u.ac.jp

8. **Correspondences in Case of Unforeseen Circumstances**

When the screening cannot be implemented as scheduled due to large disaster or other unforeseen events, or when the university foresees that traffic disruption or other hazardous events have great negative effects on the applicants, correspondences might be taken such as changes of examination time and/or dates, screening methods, and date of result publication. When the specific correspondence to such event is determined, it will be posted on the official web site of Tottori University. So please be careful on Tottori University web site, especially just before the examination date.
Application Procedure for Admission

(Second Period Application)

1. Courses and Number of Enrollments

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2. Qualifications for Application

Non-Japanese citizens who meet one of the following qualifications are eligible for application.

1. Have graduated from an accredited university abroad, or are expected to graduate by the end of March, 2020 and completed 16-years schooling in foreign countries.

2. Have been approved by the Japanese Minister of Education, Culture, Sports, Science and Technology of Japan.

3. Have been approved by Department of Engineering, Graduate School of Sustainability Science, Tottori University, as having academic ability equivalent to university graduates and will become 22 years old or more by March 31, 2020.※1

4. Have completed or be expected to complete the program (limited to the ones that their graduates are regarded as completion of 16-years school education of the foreign country) provided by the educational institution that is founded as a part of the formal education system of the foreign country, and is also specified elsewhere by Minister of Education, Culture, Sports, Science and Technology of Japan, on or before March 31 of 2020.

5. Have received or be expected to receive a degree equivalent to bachelor’s degree by completing the program of more than 3 years (including degrees obtained by completing the distance education program provided by the foreign university while residing in Japan, or by completing the program specified by Qualification 4 above at the educational institution founded on the formal education system of the foreign country) at university or other forms of school in foreign country (limited to the institutions specified by Minister of Education, Culture, Sports, Science and Technology of Japan, as having being assessed their activities including research and education by the body certified by the residing government or the relevant institutions, or as being equivalent), on or before March 31 of 2020.

※1 Applicants who fall in the qualification 3 above should submit their admission application (Form 1), past professional and research record (Form 2), Transcript of degree or graduation certificate issued by the university or college attended, and Transcript of scholastic record issued by the university or college attended. The submission should be from Tuesday, October 1, 2019 to Friday, October 4, 2019. Qualification review results will be mailed to the applicants on Wednesday, October 16, 2019.
Note.

1. Most lectures in the Department of Engineering, Graduate School of Sustainability Science, Tottori University are offered in Japanese. Applicants should note that it is essential to achieve a sufficient mastery of the Japanese language before their admission.

2. Before applying to the Graduate School (master’s program), applicants are advised to take one or two semesters of study as Postgraduate Research Students (non-degree program) ※2 under a desired supervisor to fill in gaps in their engineering education and to acquire a good command of Japanese language in preparation for the entrance examinations.

3. Application Procedure

3.1 Choice of Course and Desired Academic Supervisor

The applicant must choose one of the four courses and the desired academic supervisor, and write them in the appropriate columns of the application form (Form 1). The applicant must contact with the desired academic supervisor written in Form 1 before submitting the application.

3.2 Application Period

Applications will be accepted from 9:00 to 17:00 from Friday, November 1 to Wednesday, November 6, 2019 at the Student Section in the Faculty of Engineering, Tottori University. Those who send applications by mail should use registered mail and write ‘Application Forms for Master’s program’ in red on the front of the envelope. All applications must reach Student Section in Faculty of Engineering, Tottori University, no later than 17:00 on Wednesday, November 6, 2019. Any applications received after this due will not be accepted.

3.3 Application Documents

Applicants should submit the following documents to the Student Section in the Faculty of Engineering, Tottori University, during the above-mentioned application period.

1. Application Form for Admission (Form 1)
2. Admission Cards with photos (in duplicate)
3. Transcript of degree or graduation certificate issued by the university or college that you have attended.
4. Transcript of scholastic record issued by the university or college that you have attended. This should be a confidential communication between the university or college that you have attended and Tottori University.
5. Letter of Recommendation from the President, Dean or Department Chairman of the university or college that you have attended.
7. Certificate of Residence, copy of Residence Card, or copy of Passport. (Foreigners residing in Japan should submit a copy of their Residence Card (both sides) or a Certificate of Residence issued by the city or town office you live in. Other foreigners should submit a copy of your passport.)
8. Examination fee of 30,000 yen.※3

※2 See Appendix.
※3 Complete the payment at a nearby bank in Japan by the slip enclosed in this booklet. Then stick the payment receipt slip (the right part of the form: 検定料振込済証明書) on the Application Payment Confirmation Slip part in Form 1.

Payment Period:
The Second Period Application is from Monday, October 28 to Wednesday, November 6, 2019.
3.4 Note

1. Incomplete or incorrect application forms and documents will not be accepted.
2. The above mentioned items of the application are not substitutable once they have been received by the Student Section in the Faculty of Engineering, Tottori University.
3. Under any circumstances, the application forms, documents and examination fee cannot be returned to the applicant once they have been received by the Student Section in the Faculty of Engineering, Tottori University.
4. Application should be written either in block capitals or typed.
4. Screening

4.1 Screening Procedure

Preliminary screening for admission will be made on the basis of the submitted documents. Applicants who pass this preliminary screening will be notified to take a subsequent written examinations in the following subjects and an oral examination.

1. Course of Mechanical and Aerospace Engineering
   Thursday, December 5, 2019
   (1) Mathematics / 9:00-11:00
   (2) Physics for Mechanical Engineering / 12:30-14:30
   (3) Oral Examination / 15:00-

2. Course of Information and Electronics
   Thursday, December 5, 2019
   (1) Mathematics / 9:00-11:00
   (2) Oral Examination / 14:00-

3. Course of Chemistry and Biotechnology
   Thursday, December 5, 2019
   Two from the following four subjects /9:00-12:00
   • Organic Chemistry, Analytical Chemistry
   • Inorganic Chemistry, Physical Chemistry
   • Microbiology, Molecular Biology
   • Biochemistry, Structural Biology
   ※Bring a scientific calculator
   (2) Oral Examination / 14:00-

4. Course of Social Systems and Civil Engineering
   Thursday, December 5, 2019
   (1) Mathematics / 9:00-10:30
   (2) Social Systems and Civil Engineering / 10:45-11:55
   (3) Oral Examination / 13:00-

Venue: Department of Engineering, Graduate School of Sustainability Science (Faculty of Engineering Building), Tottori University, 4-101 Koyama-Minami, Tottori 680-8552, Japan

Note.

1. Applicants should bring the Admission Card with them to the venue of examination. The Card should be placed on the designated desk during the written examination.

2. Applicants are requested to enter the examination room by 8:45. The information regarding examination rooms and others, will be posted on the notice board of the Department of Engineering, Graduate School of Sustainability Science (at the main entrance of the Faculty of Engineering Building) from 15:00 the day before the written examination.

3. Late-come to the examination may be allowed to take examination only if he or she arrives the venue of examination no later than 30 minutes after the examination starting time.
4.2 Preliminary Consultation for Handicapped Applicants

Applicants with physical disabilities, who need some specific assistances during the examination as well as study terms after entrance, must submit a document (written in arbitral format) including the following items and a medical certificate prepared by a physician to Student Section in faculty of Engineering, Tottori University by Friday, October 25, 2019, as the applicants may need attention during the examination and while attending graduate school.

1. Name of applicant, address and telephone number
2. School from which you graduated
3. Course and Field of your choice
4. Type and degree of disability
5. Attention needed upon examination
6. Attention needed while attending graduate school
7. Measures and supports provided at previous schools
8. Conditions of daily life

In addition, if Tottori University sees the need, the university will have interviews with the applicants or people from their current or previous schools, or other related persons, who are able to speak on behalf of the applicants.

5. Notification of Results

The results of the screening will be put on the web site of Tottori University around 11:00 on Tuesday, December 24, 2019. (http://www.admissions.adm.tottori-u.ac.jp/).

The notifications of acceptance will be mailed to the successful applicants, except for the student currently attending Tottori University to whom the notification will be handed directly at Student section in Faculty of Engineering. Inquiries about the results by other means such as phone is not available.

Detailed information concerning registration after acceptance will be informed to the successful applicants in early, February 2020.

6. Admission and Tuition Fees

1. Admission Fee※4: 282,000 yen (planned amount. Must be paid at the time of registration. Not refundable.)
2. Tuition Fee※4: 535,800 yen for per year (planned amount)

Note.
1. University admission and tuition fees above are estimates only. In cases where fee adjustments are announced while students are entering university or when they are already enrolled, students will be requested to pay the adjusted fees.
2. The method for paying tuition fee will be announced later when you are guided for university entrance procedure guide.

※4 Foreign students supported by a scholarship from Japanese Government are exempt from the admission and the tuition fees.
7. **Inquiries**

Any inquiries related to the application to Department of Engineering, Graduate School of Sustainability Science, Tottori University, should be made by mail to Student Section in Faculty of Engineering, Tottori University, given below.

Student Section in Faculty of Engineering  
Department of Engineering, Graduate School of Sustainability Science  
Tottori University  
4-101 Koyama-Minami, Tottori, 680-8552 Japan  
Phone: +81-857-31-6761  
E-mail: en-kyoumu@ml.adm.tottori-u.ac.jp

8. **Correspondences in Case of Unforeseen Circumstances**

When the screening cannot be implemented as scheduled due to large disaster or other unforeseen events, or when the university foresees that traffic disruption or other hazardous events have great negative effects on the applicants, correspondences might be taken such as changes of examination time and/or dates, screening methods, and date of result publication. When the specific correspondence to such event is determined, it will be posted on the official web site of Tottori University. So please be careful on Tottori University web site, especially just before the examination date.
Appendix

Application Procedure for Postgraduate Research Students to Department of Engineering
Graduate School of Sustainability Science, Tottori University

Those who aim to study a specific subject at the postgraduate level may be admitted as Postgraduate Research students. The students in this category are not entitled to any degrees even upon the completion of their study program. However, Graduate School would advise them to prepare for the degree program of Graduate School depending upon their qualifications. The same qualifications are required of a prospective Postgraduate Research Student as are required of a degree candidate for the Master's program. Applicants for Postgraduate Research Students should submit the following documents to Student Section in Faculty of Engineering well in advance.※1

1. Application Form for Admission
2. Curriculum vitae
3. Transcript of degree or graduation certificate issued by the university or college you have (had) attended.
4. Transcript of scholastic record issued by the university or college attended. This should be a confidential communication between the university or college you have (had) attended and Graduate School of Tottori University.
6. Certificate of registered matters on the original registration.
7. Letter of permission for application written by the employer, if the applicant is an employee.
8. Application fee of 9,800 yen. In the case of application by mail, payment can be made by postal money order (do not fill in the remitter's name).

Selection will be made on the basis of the documents submitted.

Time of admission for Postgraduate Research Students is normally the beginning of each semester, that is, April or October. The period of registration is up to one year, but may be extended if necessary.

Successful applicants are requested to pay the following admission and research fees before admission.

1. Admission Fee: 84,600 yen (planned amount)
2. Research Fee: 29,700 yen per month (planned amount)

Applicants who wish to know more details are advised to inquire by mail to Student Section in Faculty of Engineering given below or Chairman of Course concerned. A self-addressed envelope with 362 yen stamps should be enclosed.

Student Section in Faculty of Engineering
Department of Engineering, Graduate School of Sustainability Science,
Tottori University
4-101 Koyama-Minami, Tottori, 680-8552 Japan
Phone: +81-857-31-6761
E-mail: en-kyoumu@ml.adm.tottori-u.ac.jp

※1 About six months before the time of admission for taking ample processing time to enter into Japan are strongly recommended.
Department of Engineering,

Graduate School of Sustainability Science,

Tottori University

Outline of Courses and Fields in Master's Program

Course of Mechanical and Aerospace Engineering

Possessing the human resources necessary for meeting a wide variety of needs in engineering fields, Course of Mechanical and Aerospace Engineering nurtures high-level engineers and researchers who are able to develop technologies from an interdisciplinary perspective, rather than from a stereotyped viewpoint. They are not restricted to just mechanical engineering, but are also proficient in the fields of aerospace, material, electronic, information, and environmental engineering. This course allows students to acquire high-levels of expertise and engage in original research; this enables them to develop so that they can aggressively assume leadership in solving problems. Specifically, students are trained to acquire the following:

(1) A broad and fundamental knowledge of mechanical engineering, and also advanced expertise in applied mathematics, mechanics, and physics, that provide a foundation for entering advanced interdisciplinary engineering fields such as space engineering

(2) A flexible way of thinking and insight to view problems macroscopically by considering the harmony between the natural environment and human society, and also leadership to solve problems systematically.

Applicants are expected to appreciate this policy and to be highly motivated. They are required to possess academic attainments in mathematics and physics employed in engineering as well as linguistic ability.

Mechanical and Aerospace Engineering Field

Solid mechanics, Materials science and engineering, Reliability and design engineering, Precision and production engineering, Mechanical dynamics and mechatronics, Control and robotics, Thermal energy engineering, Fluid engineering, Fluid dynamics, Condensed matter physics, Non-linear dynamics, Nanomechanics, Biomechanics, Thermodynamics
Course of Information and Electronics
There are two Fields in this Course aiming to produce engineers and researchers as listed below.

Information and Knowledge Engineering Field
We aim to produce IT engineers and researchers who have the ability to create advanced information-oriented society of the future and bring it to practice. Especially, we focus on producing human resources with the balanced knowledge of both hardware and software through the education of advanced computer, its application to intelligent system, and others. We have the research and educational program from the basic to the application covering various computer related areas such as construction of intelligent system, advancement of computer system and computer aimed technology.

Electrical and Electronic Engineering Field
We cover a wide range of technologies such as highly efficient device, advanced communication technology, software and hardware, and aim to produce world class engineers. In detail, our aims can be pointed out as follows:
① better technical knowledge of electric and electronics
② basic intellectual and ethical ability
③ ability to discover difficult problems and their solution
④ spirit to serve the international society
We accept those students who are interested in electric and electronics fields.

Course of Chemistry and Biotechnology
The goal of Course of Chemistry and Biotechnology is to educate engineers and researchers who are competent in the fields of industrial chemistry and biotechnology. To this end, Course provides students with a highly specialized curriculum at the graduate level. Course is composed of two fields, Applied Chemistry and Biotechnology.

Applied Chemistry Field
We have classes that teach basic concepts in organic, inorganic, and physical chemistries, followed by advanced classes for organic and inorganic materials chemistry, organic and inorganic synthetic chemistry, catalyst chemistry, and electrochemistry. In addition, we place an emphasis on hands-on training under laboratory conditions in addition to classroom teaching to experience
and analyze various chemical processes.

**Biotechnology Field**

Our goal is to provide students with knowledge that would allow them to seek new ways to combine nature and human society in harmonious ways, through the discovery of novel reactive mechanisms and useful compounds at the interface of biology (the study of living organisms and living systems) and engineering (the application of scientific principles to industry). Specifically, provides classes to apply the various mechanisms in bacterial or various cellular metabolism and replication to the production of various compounds and polymers, as well as to the removal of harmful chemicals from the environment. Any student who enters this field is assigned to a laboratory, and he/she will undergo basic training to become an engineer or a researcher through performing cutting-edge research.

We welcome students who possess a demonstrable grasp of scientific principles and techniques at the university level, and who are interested in becoming an active engineer or researcher in fields related to chemical industry, nanotechnology, biotechnology, and bioscience.

**Course of Social Systems and Civil Engineering**

Objective of Course of Social Systems and Civil Engineering is to train engineers who not only create abundant society through wide-ranging practices of improvements to the infrastructure, creation and activation of safety local community, but also pursue soft and hardwares methodology to create comfortable and active society by the education of highly-professional knowledge/technology and researches.

**Civil Engineering Field**

This field cultivates skillful engineers who have knowledge of plan, design, construction and management of social infrastructures. To achieve the objective, this field seeks motivated, wide perspective and problem-solving oriented persons who are eager to learn the construction technology which supports manufacturing activities, who are interested in creating space for human living, and who consider harmony with the nature.
**Social Systems Engineering Field**

This field aims at training engineers who can contribute to realization of better society through planning and design of systems on urban, traffic, environment, disaster prevention, management, production, and telecommunication. Objective of the training is to provide students with the ability for solving problems with an engineering approach comprising humanities and social science, and learning systematic consideration to solve problems in the modern society. Field seeks students who have a passion to realize comfortable life and abundant society, who have idea looking things analytically and also who have strong will to overcome difficulties with elaborate systematic means.
Organizational Structure of Doctoral Program

Graduate School of Engineering,
Tottori University

(1) Department of Mechanical and Aerospace Engineering
   (a) Mechanical Engineering Course
   (b) Applied Mathematics and Physics Course

(2) Department of Information and Electronics
   (a) Information and Knowledge Engineering Course
   (b) Electrical and Electronic Engineering Course

(3) Department of Chemistry and Biotechnology
   (a) Applied Chemistry Course
   (b) Biotechnology Course

(4) Department of Management of Social Systems and Civil Engineering
   (a) Civil Engineering Course
   (b) Social Management Engineering Course
YEAR 2020
APPLICATION FOR FOREIGN STUDENT ADMISSION
Department of Engineering,
Graduate School of Sustainability Science, Tottori University

Master’s Field
(April entrance)

2020年度鳥取大学大学院持続性社会創生科学研究科博士前期課程工学専攻(4月入学)
外国人留学生特別入試願書

Instruction(記入上の注意)
1. Application should be written either in ink or by a ball-point pen
   (either in black or blue only).
   (記入にあたっては、必ずインク又はボールペン(青又は黒)を使用してください。)
2. Application should be printed either in Japanese or in Roman block capitals.
   (記入にあたっては、楷書又はローマ字(大文字)を用いてください。)
3. Numbers should be written in Arabic Figures.
   (数字は算用数字を用いてください。)
4. Year should be written in the Anno Domini system.
   (年号はすべて西暦としてください。)
5. Proper noun should be written in full, and not be abbreviated.
   (固有名詞はすべて正式な名称とし、一切省略しないでください。)
YEAR 2020 APPLICATION FOR FOREIGN STUDENT ADMISSION

Department of Engineering,
Graduate School of Sustainability Science, Tottori University
Master’s Program
(April entrance)

1. The Course of your choice: Select one course (志望コース名)

2. Name of desired academic supervisor (志望指導教員名)

3-1. Name in full, in vernacular (姓名；自国語)

(Family name)  (First name)   (Middle name)

In Roman capitals (ローマ字):

(Family name)  (First name)   (Middle name)

3-2. Nationality (国籍):

3-3. Sex (性別):  [ ] Male (男)   [ ] Female (女)

3-4. Date of Birth:  Year    Month    Day

(生年月日)   (年)   (月)   (日生)

4. Present address, telephone number, fax number, and e-mail address
(現住所及び電話, ファックス番号又は電子メールアドレス)
6. Academic background (学歴)

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<th>Name of School (学校名)</th>
<th>Address of School (学校所在地)</th>
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<th>Completed Degree (学位)</th>
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Admission Card (Duplicate)
(写真票)

Examination ID No. (受験番号)

Name (氏名)

Photo (写真欄)
4 cm × 3 cm

Application Payment Confirmation Slip (振込確認票)

Examination ID No. (受験番号)

Name (氏名)

Photo (写真欄)
4 cm × 3 cm

Note: (注意)
Please bring this card to the examination
(受験の際はこの受験票を必ず持参してください。)
**YEAR 2020**  
**APPLICATION FOR THE CERTIFICATION OF QUALIFICATIONS**  
Department of Engineering,  
Graduate School of Sustainability Science, Tottori University  
Master’s Program  
(April entrance)  

(2020年度鳥取大学大学院持続性社会創生科学研究科  
博士前期課程工学専攻（4月入学）)  

(入学試験出願資格審査調書)

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<th>Name of Examinee (氏 名)</th>
<th>Present Occupation (現 職)</th>
<th>Course of your choice (志望コース)</th>
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<td>Date of Birth (生年月日)</td>
<td>Present Address (現住所)</td>
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### Professional Career (Please list) (職歴)

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### Past research work or achievement (Please list) (学会及び社会における活動等)

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I certify that the information given here is true and correct.  
(本書の記載事項に相違ないことを証明する。)

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<td>(month)</td>
<td>(day)</td>
<td>(year)</td>
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Name of Organization or Company (機関等名)

Name (print) of Representative (所属長名)

signature (サイン)

*This form is only for applicants with the qualification 3  
（この用紙は出願資格3の該当者のみに適用するものです。）
### Field of Education-Research, Supervisor and Research Theme

※Subject to change due to personnel changes

#### ① Course of Mechanical and Aerospace Engineering

<table>
<thead>
<tr>
<th>Field of Education-Research</th>
<th>Supervisor Place to Contact</th>
<th>Research Theme</th>
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</thead>
</table>
| Solid Mechanics             | OBATA, Yoshihiro
0857-31-5188
y.obata@tottori-u.ac.jp
IWASA, Takashi
0857-31-5720
iwasa@tottori-u.ac.jp | • Study on thermal stresses and related topics
• Study on tactile warmth between human body and materials
• Study on thermo property of woody materials
• Study on mechanical characteristic of flexible space structures
• Study on analysis method for membrane structures
• Study on mechanical environmental test for space satellite |
| Materials and Mechanics     | CHEN, Zhongchun
0857-31-5707
chen@tottori-u.ac.jp
ONDA, Tetsuhiko
0857-31-6786
onda@tottori-u.ac.jp | • Fabrication and characterization of thermoelectric materials
• Additive manufacturing of high-performance materials
• In-situ synthesis and multiple toughening of ceramic matrix composites
• In-situ synthesis of ceramic-reinforced aluminum matrix composites
• Development of aluminum-carbon composites with high thermal conductivity
• Martensitic transformation of zirconia and its application to transformation toughening of engineering ceramics |
| Materials Science and       | ONO, Yuichi
0857-31-5193
ono@tottori-u.ac.jp
NISHI, Ryosuke
0857-31-5192
nishi@tottori-u.ac.jp | • Study on fatigue damage evaluation of metals
• Study on experimental stress analysis
• Study on improving strength of gear
• Study on modeling traffic flows
• Study on the methodology of easing traffic jams |
| Engineering                 | SATO, Masahiko
0857-31-5195
sato@tottori-u.ac.jp
MATSUNO, Takashi
0857-31-5196
matsun@tottori-u.ac.jp | • High precision machining of difficult-to-cut materials
• Measurement and evaluation of machining temperature
• Evaluation of processed metal material surface
• Forming of high-strength metal material |
| Mechanical Dynamics and     | TAMURA, Atsutaka
0857-31-6783
a-tamura@tottori-u.ac.jp | • Study on injury biomechanics
• Human body modeling and mechanical characterization of biological materials |
| Mechatronics                | NISHIDA, Shin-Ichiro
0857-31-5198
s-nishida@tottori-u.ac.jp
NAKATANI, Shintaro
0857-31-5190
nakatani@tottori-u.ac.jp | • Robots for hazardous environment
• Robots for inspection, diagnostic and healthcare
• Development of advanced air-vehicle
• Biosignal measurements and processing
• Brain-machine interface for rehabilitation |

The symbol of ■ should be replaced by @.
<table>
<thead>
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<th>Place to Contact</th>
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<tr>
<td>Thermal Energy</td>
<td>Development of thermal protection system for space vehicles</td>
<td>SAKAI, Takeharu</td>
<td>0857-31-5202&lt;br&gt;<a href="mailto:tsakai@tottori-u.ac.jp">tsakai@tottori-u.ac.jp</a>&lt;br&gt;ODA, Tetsuya&lt;br&gt;0857-31-5206&lt;br&gt;<a href="mailto:odate@tottori-u.ac.jp">odate@tottori-u.ac.jp</a></td>
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<td>Engineering</td>
<td>Ablation, radiation, and surface thermochemistry</td>
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<td>Simulation of High-Temperature Processes</td>
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<td>Research on liquid fuel atomization and spray combustion</td>
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<td>Developments of spray measurement technique</td>
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<td>Engine combustion analysis and emission reduction</td>
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<td>Thermo-Fluid Dynamics</td>
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<td>MATSUNO, Takashi</td>
<td>0857-31-5204&lt;br&gt;<a href="mailto:matsuno@tottori-u.ac.jp">matsuno@tottori-u.ac.jp</a></td>
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<tr>
<td>Fluid Engineering</td>
<td>Active flow control using plasma actuators</td>
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<td>Research of flow field by numerical simulations</td>
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<tr>
<td>Mathematical Engineering of Complex Systems</td>
<td>Mathematical engineering of magnetically confined fusion plasmas</td>
<td>FURUKAWA, Masaru</td>
<td>0857-31-5731&lt;br&gt;<a href="mailto:furukawa@tottori-u.ac.jp">furukawa@tottori-u.ac.jp</a></td>
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<tr>
<td></td>
<td>Theory and simulation studies of boundary-layer and multiple-scale phenomena in fluids and plasmas</td>
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<td>Structure-preserving numerical simulation algorithms</td>
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<tr>
<td>Sociophysics</td>
<td>Analysis of social big data using computational social science</td>
<td>ISHII, Akira</td>
<td>0857-31-5629&lt;br&gt;<a href="mailto:ishii@tottori-u.ac.jp">ishii@tottori-u.ac.jp</a></td>
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<td>Sociophysics approach to opinion dynamics</td>
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<td>Study of epidemics by dynamical analysis of social media</td>
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<td>Electronic structure calculation/Computational Physics and Engineering</td>
<td>Methodological development of the first-principles electronic-structure calculations, especially, to include electronic correlations.</td>
<td>KOTANI, Takao</td>
<td>0857-31-6741&lt;br&gt;<a href="mailto:tktot@tottori-u.ac.jp">tktot@tottori-u.ac.jp</a>&lt;br&gt;HOSHI, Takeo&lt;br&gt;0857-31-5630&lt;br&gt;<a href="mailto:hoshi@tottori-u.ac.jp">hoshi@tottori-u.ac.jp</a></td>
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<tr>
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<td>Reliable prediction of the fundamental physical properties for materials such as transition-metal compounds.</td>
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<td>First principles study on atomic structure of materials.</td>
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<td>In particular, surface structures and phase transition of structures.</td>
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<td>Ultra-large-scale electronic structure theory and nano-structure process</td>
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<td>Algorithm design for large/freedom physical simulations (ex. krylov subspace theory, parallel computation, optimality-guaranteed algorithms)</td>
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<td>Physical Mechanics</td>
<td>Research on molecular gas/liquid-film lubrication</td>
<td>MATSUOKA, Hiroshige</td>
<td>0857-31-5739&lt;br&gt;<a href="mailto:hiro@tottori-u.ac.jp">hiro@tottori-u.ac.jp</a>&lt;br&gt;DOI, Toshiyuki&lt;br&gt;0857-31-6766&lt;br&gt;<a href="mailto:doi@tottori-u.ac.jp">doi@tottori-u.ac.jp</a></td>
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<td>Research on computational tribology</td>
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<td>Research on dynamics of information storage systems</td>
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<td>Research on molecular interactions and surface interactions</td>
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<td>Ultra-high accuracy measurements of tribological phenomena</td>
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<td>Collective and cellular level behavior of micro-organisms</td>
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<td>Aerosacoustics, sound generation mechanism and noise reduction</td>
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<td>Research and development of advanced technology of wind turbine</td>
<td>HARA, Yutaka</td>
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<td>• Optimization of transport systems</td>
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<td><a href="mailto:murata@tottori-u.ac.jp">murata@tottori-u.ac.jp</a></td>
<td>• Information retrieval, information extraction</td>
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<td>• Information processing using nonlinear dynamics</td>
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<td>• Digital speech signal processing</td>
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<td><a href="mailto:tadaaki@tottori-u.ac.jp">tadaaki@tottori-u.ac.jp</a></td>
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<td><a href="mailto:kimura@tottori-u.ac.jp">kimura@tottori-u.ac.jp</a></td>
<td>• Evolutionary computation</td>
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<td>TOKUHISA, Masato</td>
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<td>• Bioinformatics</td>
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<td><a href="mailto:tokuhisa@tottori-u.ac.jp">tokuhisa@tottori-u.ac.jp</a></td>
<td>• Semantic and emotion analysis in natural language processing</td>
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<td>• Information technology applications in tourism</td>
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<th>Supervisor</th>
<th>Place to Contact</th>
<th>Research Theme</th>
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</table>
| Knowledge Engineering       | IWAI, Yoshio | 0857-31-5624     | • Computational interaction  
NISHIYAMA Masashi                | iwai@tottori u.ac.jp | 0857-31-6983   | • Pattern recognition  
                                      |                         |                | • Human media processing  
                                      |                         |                | • Augmented reality        |
| Information and Control     | NAKAGAWA, Thudao | 0857-31-5745     | • Wireless communications and optical wireless communications for wearable devices  
Engineering                |                         | nakagawa@tottori u.ac.jp | • Physical layer signal processing for wireless communications  
                                |                         |                | • Radio frequency circuit design |
|                            | ITOH, Yoshio     | 0857-31-5698     | • Adaptive signal processing  
                                |                         | Itoh@tottori u.ac.jp   | • Digital signal processing  
                                |                         |                | • Digital communication system |
|                            | SASAOKA, Naoto   | 0857-31-5234     | • Speech enhancement  
                                |                         | sasaoka@tottori u.ac.jp | • Digital wireless communication system  
                                |                         |                | • Active noise control      |
|                            | KONDO, Katsuya   | 0857-31-5699     | • Computer vision  
                                |                         | kondo@tottori u.ac.jp  | • Bioimage analysis and medical engineering  
                                |                         |                | • Development of smart measurement control system |
|                            | MISHIBA, Kazu    | 0857-31-5756     | • Image processing  
                                |                         | mishiba@tottori u.ac.jp | • Computational photography  
                                |                         |                | • Graph signal processing  |
| Electrical and Electronic   | NAKANISHI, Isao  | 0857-31-5132     | • Application of digital signal processing  
Systems Engineering         |                         | nakanishi@tottori u.ac.jp | • Biometrics person authentication  
                                |                         |                | • Speech signal processing  |
|                            | OHKI, Makoto     | 0857-31-5688     | • Evolutionary optimizing algorithms for multi-objective symbolic optimization  
                                |                         | mohki@tottori u.ac.jp  | • Real-world applications of evolutionary optimizing algorithm  
                                |                         |                | • Multi-objective optimization of tree structure  
                                |                         |                | • Applications of Self-Organizing Map for regional and social science field |

The symbol of ■ should be replaced by @.
<table>
<thead>
<tr>
<th>Field of Education: Research</th>
<th>Supervisor</th>
<th>Place to Contact</th>
<th>Research Theme</th>
</tr>
</thead>
</table>
| Electronic Materials and Device Engineering | ICHINO, Kunio 0857-31-5240 ichino@tottori-u.ac.jp | • Study on wide bandgap semiconductors for optical/power devices  
• Study on high-efficiency solar cells  
• Study on high-efficiency ultraviolet/visible light-emitting devices | |
| | ABE, Tomoki 0857-31-5233 abe@tottori-u.ac.jp | • Study on crystal growth of wide bandgap semiconductors  
• Development of blue-ultraviolet optical detectors (avalanche photodiodes)  
• Development of blue-ultraviolet optical modulators  
• Development of high efficient ultraviolet light emitting devices | |
| | OHMI, Koutoku 0857-31-6700 ohmi@tottori-u.ac.jp | • Research on electroluminescent displays  
• Development of wavelength conversion phosphor film for plant growth  
• Development of wavelength conversion phosphor film for solar panel  
• Research on phosphors for white LED applications | |
| | NISHIMURA, Ryo 0857-31-5237 ryo@tottori-u.ac.jp | • Application of renewable energy technology, such as desalination of brackish water, for arid-land development  
• Application of electrostatics and high voltage technology | |
| | LEE, Sang-Seok 0857-31-5961 sslee@tottori-u.ac.jp | • MEMS devices for bio/chemical/medical applications  
• Micro/nano technologies for aerospace applications  
• Design and application of metamaterials  
• RFMEMS and power MEMS devices | |
| | MATSUNAGA, Tadao 0857-31-5104 matsunaga@tottori-u.ac.jp | • Development of minimally invasive medical devices utilizing microfabrication techniques (MEMS)  
• Development of ultra-thin fiber-optic MEMS sensor  
• Development of tactile display using micro actuators  
• Study on non-planar photofabrication techniques | |
<table>
<thead>
<tr>
<th>Field of Education-Research</th>
<th>Supervisor</th>
<th>Place to Contact</th>
<th>Research Theme</th>
</tr>
</thead>
</table>
| **Green Catalysis Chemistry** | KATADA, Naonobu  
0857-31-5684  
katada\@tottori-u.ac.jp  
TSUJI, Etsushi  
0857-31-5257  
e\@tsuji\@tottori-u.ac.jp  
SUGANUMA, Satoshi  
0857-31-5256  
suganuma\@tottori-u.ac.jp |  |  |
|  |  |  |  |
|  |  |  | Principles and application of zeolites and solid acid catalysis  
Conversion of heavy oil components, methane and biomass into useful materials  
Synthesis of structured functional materials  
Creation of photocatalysts for use of natural energy |
| **Main Group Element Chemistry** | NANJO, Masato  
0857-31-5516  
nanj\@tottori-u.ac.jp |  |  |
|  |  |  |  |
|  |  |  | Synthesis of ionic liquids consisting of heavy group 14 elements and application to electrochemical devices  
Design and synthesis of functional organosilicon and organogermanium compounds, and development of electronic materials |
| **Applied Electrochemistry** | SAKAGUCHI, Hiroki  
0857-31-5265  
sakaguch\@tottori-u.ac.jp  
USUI, Hiroyuki  
0857-31-5634  
usui\@tottori-u.ac.jp |  |  |
|  |  |  |  |
|  |  |  | Synthesis of lithium or sodium storage intermetallic compounds and their properties as anode materials in lithium batteries  
Development of all solid-state secondary batteries  
Design, preparation and characterization of new type of high density hydrogen storage materials  
Development of energy storage materials based on photovoltaics |
| **Molecular Self-assembly** | MATSUURA, Kazunori  
0857-31-5262  
ma2ra\@tottori-u.ac.jp |  |  |
|  |  |  |  |
|  |  |  | Creation and application of artificial virus structures  
Construction of nanostructures by self-organization of biomolecules  
Creation of light-responsive biomolecular systems  
Creation of functional materials applying inner space of microtubules |
| **Organic Material Chemistry** | SAIMOTO, Hiroyuki  
0857-31-5693  
saimoto\@tottori-u.ac.jp  
IFUKU, Shinsuke  
0857-31-5592  
sifuku\@tottori-u.ac.jp |  |  |
|  |  |  |  |
|  |  |  | Synthesis and reaction of polyols  
Synthesis and utilization of chiral compounds  
Efficient utilization of untapped resources  
Development of bionanofiber materials  
Preparation of functional materials from biomacromolecules |
| **Synthetic Organic Chemistry** | NOKAMI, Toshiki  
0857-31-5179  	nokami\@tottori-u.ac.jp |  |  |
|  |  |  |  |
|  |  |  | Automated solution-phase synthesis of oligosaccharide  
Total synthesis of biologically active oligosaccharide  
Development of Organic reaction based on electrochemical methods  
Organic materials for energy storage devices  
Creation and application of functional ionic liquids |

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</tr>
</thead>
</table>
| Inorganic Materials Chemistry | MASUI, Toshiyuki 0857-31-5264 masui@tottori-u.ac.jp | • Synthesis and application of environment-friendly color materials  
• Design of new phosphors based on rare earth compounds  
• Development of inorganic sunscreens  
• Preparation of heterogeneous catalysts containing rare earth elements |
| Biomimetic Chemistry and Related Disciplines | MORIMOTO, Minoru 0857-31-5990 m.morimoto@tottori-u.ac.jp | • Utilization of biopolymers  
• Analysis of biorelated compounds |
| Applied Technology of Biological Resources | OHSHIRO, Takashi 0857-31-5269 ohshiro@tottori-u.ac.jp  
SUZUKI, Hirokazu 0857-31-5907 hirokazusuzuki@tottori-u.ac.jp  
YAGI, Hisashi 0857-31-5948 yagi@tottori-u.ac.jp | • Discovery and application of novel functions of microorganisms and marine algae  
• Application and development of the functions of microorganisms and marine algae to the practical production of useful substances and the solutions of environmental problems  
• Fundamental studies: enzymology, molecular genetics, and protein engineering of enzymes involved in the metabolisms of physiologically active substances and new generation carbon sources in microorganisms and marine algae  
• Directed evolution approaches to enhance enzyme stability using error-prone thermophiles  
• Development of new medical materials using unutilized marine resources |
| Biocatalyst Engineering | OKAMOTO, Kenji 0857-31-5276 okamoto@tottori-u.ac.jp  
HARADA, Hisashi 0857-31-5946 harada@tottori-u.ac.jp | • Isolation and production of bioactive compounds from basidiomycetes  
• Determining the mechanism of action of bioactive compounds from basidiomycetes  
• Production of lignocellulose-degrading enzymes, ethanol and xylitol by basidiomycetes  
• Pathway engineering for the production of functional isoprenoids  
• Functional characterization of isoprenoid biosynthesis genes in higher plants and microalgae  
• Production of useful materials by microalgae |
| Protein Engineering | MIZOBATA, Tomohiro 0857-31-5691 mizobata@tottori-u.ac.jp | • Structure and function of enzyme and protein  
• Protein folding  
• Protein stability and conformational change  
• Molecular chaperone and protein fibrillogenesis (aggregation) |
| Bioorganic Chemistry | KISE, Naoki 0857-31-5636 kise@tottori-u.ac.jp  
SAKURI, Toshihiko 0857-31-5633 sakurai@tottori-u.ac.jp | • Enantioselective synthesis of physiologically active compounds  
• Stereo selective synthesis using electron transfer reaction  
• Organic synthesis of functional biomacromolecules  
• Design and characterization of supramolecular biomaterials |
| Biophysical Chemistry | NAGANO, Shingo 0857-31-5273 nagano@tottori-u.ac.jp  
HINO, Tomoya 0857-31-5744 t_hino@tottori-u.ac.jp | • Structural biology of natural products biosynthesis  
• Molecular basis of nitrogen metabolism by anammox bacteria  
• Structural biology of thermal sensation  
• Structural biology of membrane proteins |

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## Course of Management of Social Systems and Civil Engineering

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<th>Field of Education-Research</th>
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<th>Place to Contact</th>
<th>Research Theme</th>
</tr>
</thead>
</table>
| Structural and Concrete Engineering | TANIGUCHI, Tomoyo   | 0857-31-5287 t_tomoyo@tottori.u.ac.jp | • Structural design of infra-, mechanical and offshore structures  
• Earthquake-resistant performance of infra-, mechanical and building structures  
• Maintenance of infra-, mechanical and offshore structures |
|                            | KURODA, Tamotsu     | 0857-31-5523 tkurodan@tottori.u.ac.jp | • Application of industrial waste products to concrete  
• Durability assessment of concrete and concrete structures  
• Repair and strengthening for concrete and concrete structures  
• Prediction of deterioration and maintenance for concrete structures |
| Geotechnical and Rock Engineering | NISHIMURA, Tsuyoshi | 0857-31-6093 tnishi@tottori.u.ac.jp      | • Mechanics and numerical modeling of discontinuous rock mass  
• Tunnel support/reinforcement mechanics based on the NATM concept  
• Rock slope stability and landslide hazard protection  
• Elastic property of rock |
|                            | KOHNO, Masanori     | 0857-31-5755 kohnom@tottori.u.ac.jp      | • Earthquake response analysis of earth structures  
• Numerical simulation of geohazards |
|                            | ONO, Yusuke         | 0857-31-5286 ysk@tottori.u.ac.jp         | • Constitutive properties of saturated and unsaturated soils  
• Prevention and reduction of ground disasters  
• Dynamic properties of soils  
• Slope disaster mitigation and monitoring |
|                            | NAKAMURA, Koichi    | 0857-31-5986 nak_x@tottori.u.ac.jp       | • Sediment transport mechanism in sand and gravel mixtures  
• Bed deformation and channel evolution due to sediment supply to riverbed |
| Hydraulic and Coastal Engineering | HINOKIDANI, Osamu  | 0857-31-5283 hinokidani@tottori.u.ac.jp | • River and lake hydraulics  
• River and lake engineering  
• River disaster and monitoring |
|                            | MIWA, Hiroshi       | 0857-31-5295 miwa@tottori.u.ac.jp        | • Numerical model of waves and nearshore currents  
• Coastal sediments and Prediction of coastal geomorphological change  
• Maintenance of river-mouth, port and harbor  
• Coastal disaster and monitoring  
• Numerical analysis of topography change due to river flow or tsunami |

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<th>Supervisor</th>
<th>Place to Contact</th>
</tr>
</thead>
</table>
| Geospherical Environmental and Architectural Engineering | • Strong ground motion estimation  
• Effects of fault rupture process and surface geology on earthquake ground motion  
• Seismological and EM (electromagnetic) study on structure and dynamics of crust and upper mantle  
• EM applications on seismology and volcanology | KAGAWA, Takao  
0857-31-5641  
kagawa@tottori-u.ac.jp  
SHIOZAKI, Ichiro  
0857-31-5642  
shiozaki@tottori-u.ac.jp |  |
| Management Systems | • Development of system quality management technologies  
• Applied probability  
• Hardware & software reliability and maintenance theory  
• Analyses and Control of Server System  
• Optimal maintenance of social infrastructure | ITO, Kodo  
0857-31-5304  
itokodo@tottori-u.ac.jp  
KOYANAGI, Junji  
0857-31-5307  
junji@tottori-u.ac.jp |  |
| Regional Systems Planning | • Institutional design and analyses of regional socio-economic systems  
• Economic analyses of urban systems  
• Public policy evaluation  
• Activity – travel behavior analysis  
• Big data based planning theory  
• Infrastructure planning and management, transportation engineering, and urban planning | FUKUYAMA, Kei  
0857-31-5312  
fukuyama@tottori-u.ac.jp  
KUWANO, Masashi  
0857-31-5313  
kuwano@tottori-u.ac.jp |  |
|  | • Methodologies for sustainable society planning  
• Planning theory of local transport system  
• Design and analysis of daily support services  
• Disaster risk assessment and management for transportation system | TANIMOTO, Keishi  
0857-31-5310  
tanimoto@tottori-u.ac.jp  
TSUCHIYA, Satoshi  
0857-31-5760  
tsuchiya@tottori-u.ac.jp |  |
| Disaster Prevention Planning | • Soft measures for disaster prevention based on evacuation simulation  
• Performance evaluation of coastal structures under damage progression  
• Maintenance management model for infrastructure | OTA, Takao  
0857-31-5309  
ohta@tottori-u.ac.jp |  |
| Environmental Planning | • Risk assessment of environmental chemicals  
• Application of microorganisms for establishing recycling-based society  
• Maintenance and management of water and waste water system  
• Water quality control and management  
• Current issues in global environmental protection | MASUDA, Takanori  
0857-31-5318  
masuda@tottori-u.ac.jp |  |
ご依頼日欄：振込年月日を記入してください。
振込先欄：山陰合同銀行鳥取営業部又は鳥取銀行湖山支店のどちらかを選び印を付けてください。
ご依頼人欄：受検者本人の氏名（カナ欄及び漢字欄）を、丁寧に記入してください。
住所欄は、郵便番号及び電話番号もご記入願います。

※第1回入学試験を志願する者は2019年7月12日（金）～2019年7月26日（金）までに、第2回入学試験を志願する者は2019年10月28日（月）～2019年11月6日（水）までの期間に振込みをしてください。

※必ず銀行窓口（郵便局、ゆうちょ銀行を除く。）で払い込んでください。（ATMは利用しないでください。）
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