

佐賀大学大学院理工学研究科
ASEAN と日本の共発展を目指す T 型高度人材育成プログラム (EPAT)
AI・データサイエンス高度人材の領域横断的育成プログラム (IEPAD)
博士後期課程 (外国人留学生ー在外)
学生募集要項

**Guide for the Application for the Foreign Students of
Education Program of Advanced T-shaped Person for Co-development
of ASEAN and Japan (EPAT)
and
Interdisciplinary Education Program for AI and Data Science Specialists
(IEPAD)**

(Doctor Course)

October 2025

April 2026

Enrollment	Application Deadline	Announce of Results
October 1, 2025	June 4, 2025	July 2025
April 1, 2026	November 19, 2025	January 2026

Graduate School of Science and Engineering
SAGA UNIVERSITY

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本学が取得した個人情報は、法令に基づく場合を除き、出願者本人の同意を得ることなく他の目的で利用又は第三者に提供する事はありません。

CONTENTS

○ GUIDE FOR APPLICATION.....	1
○ ACADEMIC STAFFS ATTENDING EPAT COURSES AND THEIR RESEARCH INTERESTS AND MAJOR FIELDS	11
○ ACADEMIC STAFFS ATTENDING IEPAD COURSES AND THEIR RESEARCH INTERESTS AND MAJOR FIELDS	15
○ PAYMENT THROUGH Flywire.....	19
○ APPLICATION FORM (Appendix)	

THE FOREIGN STUDENTS OF EDUCATION PROGRAM OF ADVANCED T-SHAPED PERSON FOR CO-DEVELOPMENT OF ASEAN AND JAPAN (EPAT)

The Education Program of Advanced T-shaped Person for Co-development of ASEAN and Japan (EPAT) provides all lectures, seminars, and internships, etc. on global environmental, energy problems and health science expertise in English for both foreign and Japanese students. The EPAT is an educational course in the Graduate School of Science and Engineering and Graduate School of Advanced Health Science, Saga University, that started in October 2023, in order to nurture “T-shaped advanced human resources” who have a corporate perspective and AI data science besides a deep specialized research and development capabilities. This is a call for application to a three-year Doctor Course from the academic year of October 2025 and April 2026.

Environmental, energy and resource problems associated with rapid economic development are particularly serious in Asian countries, many of which are developing countries. For the sound development of developing countries, it is necessary to fully understand and analyze the challenges that Asian countries face, and to develop comprehensive technologies that also include management. EPAT will be established in the Graduate School of Science and Engineering and the Graduate School of Advanced Health Sciences in order to nurture “T-shaped advanced human resources” who have a corporate perspective and AI data science besides a deep specialized research and development capabilities. We aim to develop human resources who can demonstrate leadership in research and development related to the environment, equipped with specialized knowledge of science and engineering and medical engineering, a business perspective, and knowledge of AI and data science. We will contribute to the common development of ASEAN and Japan in order to solve energy and resource issues.

Applicants for EPAT's Doctor's degree program must determine their field of study from the courses below and select a relevant supervisor(s) listed in the faculty list. The applicants should contact the supervisor(s) before an application submission.

Graduate School of Science and Engineering:

Mechanical and Electrical Energy Engineering, Civil Engineering and Architectural Design and
Biological and Material Engineering.

Students who complete the Doctor Course program of the EPAT are granted the Doctor's Degree (Doctor of Philosophy in Science or Doctor of Philosophy in Engineering). The month of entrance for foreign students is October 2025 or April 2026 and they can enter the EPAT course immediately after completing their Master's Degree program without learning Japanese language.

佐賀大学大学院理工学研究科 ASEAN と日本の共発展を目指す T 型高度人材育成プログラム (EPAT) は、外国人留学生と日本人学生が共学し、世界的な環境とエネルギー及び健康の専門知識に関する講義、セミナー、およびインターンシップ研修などの教育カリキュラムを全て英語で実施します。外国人留学生は、日本語の習得の障壁なく日本で充実した教育を受け研究を行い、一層の修業成果を上げることができます。EPAT は、エネルギー・環境・健康科学分野に深い専門知識と研究開発能力を縦軸に有し、併せて企業の視野と AI・データサイエンスの知識を両翼にもつ T 字型高度人材を育成するため、2023 年 10 月にスタートしました。ここに、2025 年 10 月入学、2026 年 4 月入学の博士後期課程 (3 年間) の学生を募集します。

多くが成長国 (途上国) にあるアジア諸国において、急速な経済発展に伴う環境・エネルギー・資源問題は特に深刻です。成長国の健全な発展のために、アジア諸国がそれぞれに抱える課題を十分に把握・分析した上で、なおかつマネジメントも含む総合的な技術開発が求められています。EPAT は、深い専門的研究開発能力の縦軸と、企業の視野と AI・データサイエンスを両翼にもつ「T 字型の高度人材」を育成するために理工学研究科及び先進健康科学研究科に発足します。このプログラムは、修了後、理工学系分野及び医工学系分野の専門的知識と企業の視野、AI・データサイエンスの知識を持ち、環境・エネルギー・資源問題について研究開発やリーダーシップを発揮できる人材として、ASEAN と日本の共発展に貢献していくことを目的としています。

EPAT 博士後期課程プログラムは、理工学研究科の機械・電気エネルギー工学、社会基盤・建築デザイン、バイオ・マテリアルエンジニアリングの各コースにおいて教育と研究指導が行われます。志願者は、教員リストに記載されている指導教員のうちから、希望する研究分野を決定し、希望する指導教員を選んで、連絡をとってください。

本プログラムの博士後期課程修了者には博士 (理学、工学のいずれか) の学位が与えられます。なお、本申請による入学は 2025 年 10 月もしくは 2026 年 4 月であり、外国で大学院修了後直ちに日本語の教育を受けることなく入学することができます。

THE FOREIGN STUDENTS OF INTERDISCIPLINARY EDUCATION PROGRAM FOR AI AND DATA SCIENCE SPECIALISTS (IEPAD)

The Interdisciplinary Education Program for AI and Data Science Specialists (IEPAD) provides all lectures, seminars, and internships, etc. on AI and data science technologies in English for both foreign and Japanese students. Students from overseas can learn and study completely in Japan without a hurdle of Japanese language. The IEPAD is an educational course in the Graduate School of Science and Engineering, Saga University, that will start in October 2025, in order to bring up global researchers and engineers who will contribute to technological innovation in AI and data science fields. This is a call for application to a three-year Doctor Course from the academic year of October 2025 and April 2026.

The wisdom that humankind has created by its academic deepening has brought humanity a prosperous life through developing science and technology. To improve science and technology, it is necessary to sustain efforts from the viewpoint of AI and data science technologies. Educational study of AI and data science should be performed from all-round and global viewpoints. The IEPAD has been established in the Graduate School of Science and Engineering in order to discuss and solve AI and data science problems. The scope and goal of this IEPAD is interdisciplinary education for students to possess an all-round insight for AI and data science from the global point of view after their completion by acquiring knowledge and thinking power.

In the Doctor Course program of the IEPAD, education and research guidance of the fields are given by the Mathematical and Information Science Course, Mechanical and Electrical Energy Engineering Course, Civil Engineering and Architectural Design Course, and Biological and Material Engineering Course in the Graduate School of Science and Engineering. Applicants are encouraged to decide the research fields and prospective relevant supervisor(s) appearing on the List of Academic Staffs, and contact with the supervisor(s).

Students who complete the Doctor Course program of the IEPAD are granted the Doctor's Degree (Doctor of Philosophy in Science or Doctor of Philosophy in Engineering). The month of entrance for foreign students is October 2025 or April 2026 and they can enter the IEPAD course immediately after completing their Master's Degree program without learning Japanese language.

佐賀大学大学院理工学研究科 AI・データサイエンス高度人材の領域横断的育成プログラム（IEPAD）は、外国人留学生と日本人学生が共学し AI やデータサイエンス技術に関する講義、セミナー、およびインターンシップ研修などの教育カリキュラムを全て英語で実施します。外国人留学生は、日本語の習得の障壁なく日本で充実した教育を受け研究を行い、一層の修業成果を上げることができます。IEPAD は、AI やデータサイエンスによる技術革新に貢献するグローバルな研究者や技術者を育成するため、2025 年 10 月にスタートします。ここに、2025 年 10 月入学、2026 年 4 月入学の博士後期課程（3 年間）の学生を募集します。

学問の深化により人類が生み出した英知は、科学技術を発展させることで人類に豊かな生活をもたらしています。科学技術の向上には、AI・データサイエンスの観点からの取り組みが必要です。AI・データサイエンスの教育研究は、総合的にしかも世界的な視野に立って取り組まなければなりません。IEPAD は、AI・データサイエンスに関わる問題を議論し解決するために理工学研究科に発足しました。このプログラムは、修了後、AI・データサイエンスに関する知識と知識と思考力を持ち、世界的な視野で総合的に洞察できる学生を領域横断的な教育によって育成することを目的としています。

IEPAD 博士後期課程プログラムは、理工学研究科の数理・情報サイエンスコース、機械・電気エネルギー工学コース、社会基盤・建築デザインコース、バイオ・マテリアルエンジニアリングコースの各コースにおいて教育と研究指導が行われます。志願者は、教員リストに記載されている指導教員のうちから、希望する研究分野を決定し、希望する指導教員を選んで、連絡をとってください。

本プログラムの博士後期課程修了者には博士（理学、工学のいずれか）の学位が与えられます。なお、本申請による入学は 2025 年 10 月もしくは 2026 年 4 月であり、外国で大学院修了後直ちに日本語の教育を受けることなく入学することができます。

QUALIFICATIONS

* For applicants who wish to enroll in April 2026, please replace "September 2025" with "March 2026".

1. **Applicants:** Non-Japanese citizens arriving from foreign countries to attend this program can apply.
2. **Academic career:** The following candidates may apply for admission.
 - a. Those who have received Master's Degree from Japanese university.
 - b. Those who have received Degree equivalent to Master's Degree of Japanese universities in foreign country, or will receive it in foreign country as of September 2025.
 - c. Those who have received a Degree equivalent to Master's Degree of Japanese universities from a foreign school through correspondence education in Japan, or will receive the Degree as of September 2025.
 - d. Those who have received a Degree equivalent to Master's Degree of Japanese universities at educational institutions of the foreign country in Japan, which is designated by the Minister of Education, Culture, Sports, Science and Technology of the Japanese Government, or will receive the Degree as of September 2025.
 - e. Those who have been designated by the Minister of Education, Culture, Sports, Science and Technology of the Japanese Government.
 - f. Those who are 24 years old or more as of September 2025, and are admitted by the Graduate School of Saga University as that their academic abilities are equivalent to or higher than Master's Degree of Japanese universities upon reviewing the submitted materials.
- * Applicants who plan to apply under Qualification 2-f. should contact the Entrance Examination Office of Saga University by May 9, 2025 for admission in October 2025, or by October 24, 2025 for admission in April 2026, to be screened for eligibility.
3. **Health:** Applicants should be in good health both mentally and physically.
4. **Language proficiency:** A good working level of English is required.
5. **Arrival in Japan:** Applicants should arrive in Japan by September 2025, if admitted.

Remarks

- 1) Military personnel and civilian employees of the armed forces are not eligible.
- 2) Admission shall be canceled if the applicant fails to arrive in Japan by September 2025.
- 3) Admission shall be canceled if the applicant fails to receive the Master's Degree on or before September 2025.
- 4) If you are handicapped and hope the special care about the entrance examination or the study in Japan, please consult with the entrance examination office before the application.

ENROLLMENT AND TUITION EXPENSES

1. **Entrance examination fee:** 30,000 Yen.
2. **Entrance fee:** 282,000 Yen
3. **Tuition fee:** 267,900 Yen for each semester (scheduled). [535,800 Yen per academic year (scheduled)]. Amount of due might be slightly revised depending on the decision of the administration council. Payments must be made for each semester biannually within the beginning two months of the semester. Information on the tuition assistance, exemption subsidization, and scholarships is available at the Benefits section in the following pages.
4. **Date of enrollment:** Date of enrollment is October 1, 2025 or April 1, 2026.

応募資格

*2026 年 4 月入学希望者は「2025 年 9 月」を「2026 年 3 月」と読み替えるものとします。

1. **国籍**：日本国籍を有しない者で、日本国外から留学する者
2. **学歴**：下記のいずれかに該当する者
 - a. 日本の大学から修士の学位を授与された者
 - b. 外国において、修士の学位に相当する学位を授与された者又は 2025 年 9 月までに授与される見込みの者
 - c. 外国の学校が行う通信教育における授業科目を我が国において履修し修士の学位に相当する学位を授与された者又は 2025 年 9 月までに授与される見込みの者
 - d. 我が国において、外国の大学院の課程を有するものとして当該外国の学校教育制度において位置付けられた教育施設であって、文部科学大臣が別に指定するものの当該課程を修了し、修士の学位に相当する学位を授与された者又は 2025 年 9 月までに授与される見込みの者
 - e. 文部科学大臣の指定した者
 - f. 本学大学院において、個別の入学資格審査により、修士の学位を有する者と同等以上の学力があると認めた者で、2025 年 9 月において満 24 歳に達した者
- * 応募資格 2-f.で出願予定の方は、2025 年 10 月入学の場合は 2025 年 5 月 9 日までに、2026 年 4 月入学の場合は 2025 年 10 月 24 日までに、佐賀大学入試課に連絡し、出願資格審査を受けてください。
3. **健康状態**：心身ともに健全な者
4. **語学力**：英語の能力が十分な者
5. **渡日**：合格した場合、2025 年 9 月までに渡日可能な者

注

- 1) 現役軍人や軍属の資格の者は出願できません。
- 2) 2025 年 9 月までに渡日をしなければ入学は取り消されます。
- 3) 修士の学位を取得見込みの者で、合格したものは、2025 年 9 月までに学位を取得できなければ、入学を取り消します。
- 4) 障がい等を有する志願者で、受験上及び就学上の配慮を必要とする方は、出願前に入試課に相談してください。

入学と授業料

1. **検定料**：30,000 円
2. **入学料**：282,000 円
3. **授業料**：267,900 円／半期（予定）[535,800 円／年（予定）]

ただし、入学時及び在学中に学生納入金改定が行われた場合には、改定時から新たな納入金額が適用されます。

支払いは各学期始めの 2 ヶ月以内に済まされなければなりません。授業料減額、奨学金などは次ページの援助の項を参照のこと。

4. **入学日**は 2025 年 10 月 1 日または 2026 年 4 月 1 日です。

SELECTION AND ADMISSION

1. Applicants who have excellent records will take an interview or an Internet interview with the desired Advisory Professor (Supervisor) after all-round judgment of submitted papers.
2. Applicants shall be examined by the Screening Committee of the program. Only those who have a solid academic background, research capability and commitment will be selected as a successful candidate. The final result of the selection will be notified in July 2025 for applicants applying for admission in October 2025, and in January 2026 for applicants applying for admission in April 2026.
3. The admission quota for October 2025 and April 2026 is 5 each for EPAT and 5 each for IEPAD.

APPLICATION PROCEDURE

1. Applicants should prepare the following documents to be forwarded to the Entrance Examination Office, Saga University. Simultaneous applications for both EPAT and IEPAD are acceptable. In the case of simultaneous applications, a comprehensive set of documents should be submitted for each application. However, it is acceptable to submit the original certificates for one program and the copy documents for the other program. In addition, the entrance examination fee must be paid for each application.

* For applicants who wish to enroll in April 2026, please replace "September 2025" with "March 2026".

- (1) **Application Form** (Form A).
- (2) **Field of Study and Study Program** (Form B). (This should be printed on both sides.)
- (3) Official transcript of **Bachelor's degree**, and that of **Master's degree** or certificate representing that the applicant will be conferred Master's degree by September, 2025. In the case that the applicant will be qualified by the criterion 2-e of QUALIFICATIONS described above, an official transcript of Bachelor's degree is required.
- (4) Transcripts of **Academic Record** issued by the university authorities and their English translation. (The criteria of academic assessment should be also shown.)
- (5) English summary of **Master Thesis** or its equivalent if available, not exceeding four sheets of A4 size paper typed in double space. When a Master Thesis is not required by the university from which the applicant graduated, prepare a statement to that effect.
- (6) **Certificate of Citizenship** issued by the appropriate authorities.
- (7) **Recommendation and Reference**
 - a. A letter of **Recommendation** (Form C) from the head (Dean, in case of university) of the applicant's affiliated institution.
 - b. Letter(s) of **Reference** (Form D) from those who know the applicant's research/study capability addressed to the President of Saga University.

The letters of recommendation and reference(s) should indicate the English proficiency of the applicant. Enclose, therein, a certificate indicating the scores of TOEFL or a corresponding English Ability Test, if any.

- (8) **Three Photographs** (hatless portrait), 4.5 cm × 3.5 cm in size, taken within six months of application date. One copy should be attached to the application form. Two extra copies should be enclosed therein, with the applicant's name and the nationality on the reverse side of the copies.
- (9) **Receipt for Entrance Examination Fee** (30,000 Yen).

Please pay the fee via Flywire. Fees for the remittance should be paid by the applicant. Please submit the receipt that can be downloaded after payment to Saga University, or print out a screenshot of the payment completion screen. Please refer to "PAYMENT THROUGH Flywire" (see page 19). Applicants who cannot use Flywire for any reason should email the Entrance Examination Office (see page 9).

Flywire (URL): <https://saga-u.flywire.com>

or scan:



If you have any questions, please contact Flywire:

Web: <https://www.flywire.com/support>

email: support@flywire.com

2. All documents should be sent by registered airmail, and must arrive at the Entrance Examination Office **by the deadline indicated on the cover page.**

選考と入学許可

1. 志願者のうちで、提出された書類を審査し、総合的に判断して成績が優秀な者については、指導を希望する教員による面接又はインターネットインタビューが行われます。
2. 志願者は、プログラムの選考委員会によって選考され、学業成績、研究能力が優秀であり、かつ出身大学等からの強い推薦がある者だけが合格者として選ばれます。最終結果は、2025 年 10 月入学希望者は 2025 年 7 月に、2026 年 4 月入学希望者は 2026 年 1 月に本学より志願者へ通知します。
3. 定員は、2025 年 10 月入学、2026 年 4 月入学で、それぞれ EPAT で 5 名、IEPAD で 5 名です。

申請

＊2026 年 4 月入学希望者は「2025 年 9 月」を「2026 年 3 月」と読み替えるものとします。

1. 志願者は、本学学務部入試課宛に提出する下記の出願書類を準備して下さい。EPAT と IEPAD を併願することが可能です。併願する場合は、それぞれの申請に対して書類一式の提出が必要です。ただし、一方のプログラムに証明書原本を提出し、もう一方のプログラムにコピーを提出しても構いません。なお、検定料はそれぞれの申請に対して支払う必要があります。

(1) 申請書（様式 A）

(2) 研究分野と研究計画（様式 B）（両面印刷すること）

- (3) 学士及び修士の学位記の写し（原本と相違ないことが証明されたもの）。現在学生の者は、2025 年 9 月までに修士の学位を取得予定であるという証明書。応募資格 2.学歴の e に該当する志願者は学士の学位証明書を提出してください。

- (4) 大学から出される成績証明書と、その英語訳（成績評価の基準がわかるものを提出すること）

- (5) 修士論文の概要又は研究報告書など修士論文の概要と同等のもので、A4 用紙 4 枚以内、英文のダブルスペースでタイプしたもの。志願者が修了した大学で修士論文が必要とされなかった場合は、その趣旨の申告書を提出してください。

(6) 本国の戸籍謄本又は市民権等の証明書

(7) 推薦書及び証明書

- a. 申請者が属する機関の長の（大学においては研究科長）推薦書（様式 C）

- b. 佐賀大学長あてに、志願者の研究／学力を知る者による証明書を提出してください。（様式 D）
推薦書と証明書は志願者の英語能力が記されていなければなりません。もしあれば、そこに TOEFL か英語能力試験に類似のもののスコアを示す証明書を同封してください。

- (8) 4.5cm×3.5cm サイズで申請日前 6 か月以内に撮られた写真 3 枚（上半身、脱帽、正面向き）。そのうち 1 枚は申請書に添付されていなければなりません。他の 2 枚の写真は、その裏に申請者名と国名を記入し、出願書類に同封してください。

(9) 入学検定料（30,000 円）の受領書

入学検定料は Flywire を通してお支払いください。支払いにかかる手数料は志願者にてご負担ください。佐賀大学への入金完了後にダウンロードできる受領書、または支払い完了画面のスクリーンショットを印刷してご提出ください。「Flywire での納入」（20 ページ）を参照してください。何らかの理由で Flywire を利用できない方は、入試課までメールでお問い合わせください（10 ページ参照）。

Flywire (URL): <https://saga-u.flywire.com>

または

スキャン：

ご不明点は、Flywire へお問合せください。

Web: <https://www.flywire.com/support>

email: support@flywire.com



2. すべての書類は書留の航空便で、表紙に記載された締め切り日までに佐賀大学学務部入試課へ送付してください。

Remarks

- 1) The above documents should be typewritten in English on A4 size paper.
- 2) Incomplete documents are not acceptable.
- 3) Applicants are advised to choose their desired Advisory Professor (Supervisor) and to indicate the supervisor's name on the application form (Form A).
- 4) None of the documents submitted is returned to the applicant in any case.

NOTES

1. An admitted student will be deprived of entrance under the following cases:
 - a. False statements on the documents.
 - b. Violation of the pledge.
2. Admitted students are recommended to be well acquainted with the Japanese language, culture, customs, etc. A skill of the Japanese language is necessary in daily life.
3. Admitted students are expected to complete their Doctor Course Program within three years.

BENEFITS

1. Exemption of tuition fee from complete to 50% may be granted depending on circumstances.
2. There are several scholarships for private-expense foreign students. Students can apply for these scholarships.
3. Housing: Students can apply to Saga University International House, or low-cost apartments supported by Saga prefecture and other organizations.

CORRESPONDENCE

The application form should be sent by air mail to the address shown below. Note that the application forms must not be submitted in any kind of electronic form. Forms sent by facsimile and attached files on e-mail shall not be accepted on any occasion.

*** If you have difficulty mailing your documents by the deadline, please contact us at the e-mail address below by the application deadline.**

Entrance Examination Office

Saga University

1 Honjo-machi

Saga 840-8502, Japan

Fax: (+81)-952-28-8944

E-mail: (EPAT) epat@mail.admin.saga-u.ac.jp

(IEPAD) iepad@mail.admin.saga-u.ac.jp

注

- 1) 上記の書類は A4 用紙に英語でタイプしてください。
- 2) 不備書類は受付不可とします。
- 3) 志願者は、教員リストから希望する教員を選び、その教員名を申請書（様式 A）に必ず記入してください。
- 4) 提出された書類は志願者へは返却されません。

注意事項

1. 下記の場合には、合格者は入学許可を取り消されます。
 - a. 書類上の不正申告
 - b. 誓約書違反
2. 合格者は日本語、文化、習慣などをよく身につけるように勧められます。日々の生活に日本語の知識は必要です。
3. 合格者は 3 年以内に博士後期課程を修了することになっています。

援助

1. 状況により、授業料が半額免除される可能性があります。
2. 私費留学生は、各種奨学金に応募できます。
3. 住居：佐賀大学国際交流会館や佐賀県などの低価格な住居に応募できます。

問合せ先

申請書等は、下記あてに航空便で送ってください。ファックスや E メール等での出願は受理できません。

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Fax:(+81)-952-28-8944

Email: (EPAT) epat@mail.admin.saga-u.ac.jp

(IEPAD) iepad@mail.admin.saga-u.ac.jp

ACADEMIC STAFFS ATTENDING EPAT COURSES AND THEIR RESEARCH INTERESTS AND MAJOR FIELDS

GRADUATE SCHOOL OF SCIENCE AND ENGINEERING [DOCTOR COURSE]

Mechanical and Electrical Energy Engineering Course			
Thermo-Fluid Energy Engineering			
Laboratory of Thermal Engineering			
Academic Staff:	Mitsutake, Y.	Kariya, K.	Ishida, K.
Research Fields:	Thermodynamics, energy conversion, power plant systems, Heat exchanger, condensation, evaporation, absorption		
Laboratory of Fluid Engineering			
Academic Staff:	Kinoue, Y.	Shiomi, N.	
Research Fields:	Turbomachinery, compressible fluid flow, effective utilization of fluid energy, multiphase flow		
Material and Design Engineering			
Laboratory of Mechanics of Materials, Solid and Structures			
Academic Staff:	Tadano, Y.	Taketomi, S.	Morita, S.
Research Fields:	Strength of materials, Advanced solid mechanics, Computational mechanics, Numerical analysis for structures, Fatigue strength of metals and advanced materials		
Laboratory of Design and Production Engineering			
Academic Staff:	Hasegawa, H.	Mawatari, T.	Ohshima, F.
Research Fields:	Design of machinery and machine elements, Tribology of machine elements, Surface engineering		
Laboratory of Control Engineering			
Academic Staff:	Sato, K.		
Research Fields:	Control theory, robust control, adaptive control		
Ocean Energy Engineering			
Laboratory of Ocean Engineering			
Academic Staff:	Imai, Y.	Murakami, T.	
Research Fields:	Wave energy conversion system, Marine hydrodynamics, Floating system		
Laboratory of Thermal Engineering			
Academic Staff:	Arima, H.		
Research Fields:	Boiling heat transfer, two-phase flow, effective utilization of thermal energy		
Laboratory of Thermal Energy Conversion Systems			
Academic Staff:	Ikegami, Y.		
Research Fields:	Ocean thermal energy conversion plant, development of thermal energy conversion system		
Laboratory of Offshore Wind Energy Systems			
Academic Staff:	Yoshida, S.		
Research Fields:	Rotor aerodynamic, aero-elastics, floating offshore wind turbine, wind farm		

Electronics, Information and Communication			
Laboratory of Advanced Microwave Engineering			
Academic Staff:	Nishiyama, E.		
Research Fields:	Microwave circuits, Planar antennas, Wireless power transfer, Wireless communication systems		
Laboratory of Advanced Computational Engineering			
Academic Staff:	Itoh, H. Fukumoto, H.		
Research Fields:	Artificial general intelligence, Adaptive robots, Educational support system, Human interface		
Laboratory of Advanced Optoelectronics			
Academic Staff:	Guo, Q. Tanaka, Tooru.		
Research Fields:	Optoelectronic materials and devices (Light emitting diodes, Solar cells, etc), Epitaxial growth and characterization of semiconductors, Synchrotron light application for material characterization		
Laboratory of Bionic and Cybernetic Engineering			
Academic Staff:	Wakuya, H.		
Research Fields:	Artificial Intelligence, Smart Robotic System, Biomedical Instrumentation		
Advanced Power Electronics			
Laboratory of Plasma Energy Engineering			
Academic Staff:	Ohtsu, Y. Ihara, S.		
Research Fields:	Plasma source for semiconductor manufacturing process, Thin film preparation, Dry etching process, High voltage engineering, Pulsed power engineering, Plasma engineering		
Laboratory of Surface and Interface Dynamics			
Academic Staff:	Takahashi, K.		
Research Fields:	Synchrotron light application, Electron spectroscopy, Nano-scale materials		
Civil Engineering and Architectural Design Course			
Civil Engineering			
Laboratory of Geotechnical Engineering			
Academic Staff:	Hino, T.		
Research Fields:	Theory and practice of geotechnical engineering prediction and prevention of ground disaster, Advanced geotechnical engineering, Advanced geo-environmental engineering, Geomechanics and rock engineering, Advanced soil mechanics		
Laboratory of Structural Engineering			
Academic Staff:	Obiya, H. Z. M. Nizam		
Research Fields:	Advanced earthquake engineering, Theory of basic and application of large scale structure systems, Advanced structural analysis, System analysis of structures, Advanced structural design, Advanced computational mechanics		
Environmental System Engineering			
Laboratory of Water Management System			
Academic Staff:	Yamanishi, H. Narumol, V. Oshikawa, H.		
Research Fields:	Water resources engineering, Wastewater treatment systems, Computational hydraulics and remote sensing engineering for water environment, Water resources management, Water environmental systems engineering, Environmental systems engineering, Water pollution control systems, Advanced hydraulic network system planning, Planning theory on water environment		
Laboratory of Urban System and Environment			
Academic Staff:	Li, H. Inohae, T.		
Research Fields:	Transportation system and planning, Urban development and urban systems, Residential environment evaluation, Prevention for urban disaster, Urban energy management, Urban environmental evaluation		
Architecture and Urban Design			
Laboratory of Urban Design and Architecture			
Academic Staff:	Mishima, N. Goto, R. Miyahara, M.		
Research Fields:	Urban design and planning, Architectural design, Architectural planning, Land- and townscape design, Regenerative design of architecture and urban space, Preservation of historic environment, Regional disaster prevention plan		
Laboratory of Environmental Design for Architecture			
Academic Staff:	Kojima, S. Nakaohkubo, K.		
Research Fields:	Building thermal environment, Urban thermal environment, Energy conservation of building environment, HVAC control for building environment		

Biological and Material Engineering Course			
Biomedical Engineering			
Laboratory of Intelligent Control Engineering			
Academic Staff:	Goto, S.	Sugi, T.	Matsuda, Y.
Research Fields:	Medical systems control, Plant systems control, Remote systems control, Mechatronic systems control and robotics, Reliability analysis for power plant, Control systems design		
Laboratory of Biosensors			
Academic Staff:	Kimoto, A.		
Research Fields:	Intelligent-composite multisensors, Tactile sensors mimicking human perceptions, Non-invasive imaging with composite sensors		
Laboratory of Applied Computing			
Academic Staff:	Muramatsu, K.		
Research Fields:	Numerical analysis of electromagnetic field, Optimal design of electromagnetic apparatus, Modelling of magnetic materials		
Laboratory of Fluid Engineering			
Academic Staff:	Hashimoto, T.	Sumi, T.	
Research Fields:	Compressible fluid flow, Effective utilization of fluid energy, Multiphase flow		
Laboratory of Smart Sensing			
Academic Staff:	Khan, T. I.		
Research Fields:	Smart sensing of biomedical engineering dynamics, Acoustics and Diagnostics, Artificial Intelligence, Sensing systems control, Non-destructive testing		
Laboratory of Robotics and Computational Intelligence			
Academic Staff:	Izumi, K.		
Research Fields:	Robotics, Mechatronics, Computational Intelligence, Machine learning		
Advanced Material Chemistry			
Laboratory of Functional Ceramics			
Academic Staff:	Yada, M.		
Research Fields:	Education and studies on structural and functional ceramics, Advanced inorganic materials, Preparation of ceramics: solid state reaction, sol-gel process, reactive infiltration, Eco-friendly ceramics: luminescence materials for energy-saving, ceramic recycle and porous ceramics for environmental cleanup, Nano-size functional ceramics: nano-fiber, nano-tube, nano-composites, Ceramic composite		
Laboratory of Advanced Organic Materials			
Academic Staff:	Takeshita, M.		
Research Fields:	Advanced supramolecular chemistry, Molecular design of advanced materials		
Laboratory of Environmental Chemical Engineering			
Academic Staff:	Kawakita, H.		
Research Fields:	Separation and removal material preparation of metals, Modified saccharides and polysaccharides synthesis using enzymatic reaction		
Laboratory of Photoreceptor proteins			
Academic Staff:	Fujisawa, T.		
Research Fields:	Photosensing, energy production, and luminescence of proteins, Vibrational spectroscopy, Vibrational optical activity		
Inorganic Materials Chemistry			
Laboratory of Coordination Chemistry			
Academic Staff:	Koikawa, M.	Yamada, Y.	
Research Fields:	Education and studies on synthesis, structure, and physical properties of metal complexes, Structural aspects of metal complexes, Basic coordination chemistry		

Organic Materials Chemistry	
Laboratory of Advanced Organic Materials	
Academic Staff:	Narita, T.
Research Fields:	Education and studies on syntheses, structures and properties of polymers and functional organic materials, Polymeric material sciences, Structure of organic thin films
Laboratory of Advanced Biological Materials	
Academic Staff:	Osada, S.
Research Fields:	Synthesis and structure of biologically active peptides, Chemistry of ion channel forming peptides, Mechanism-based design and synthesis of enzyme or receptor inhibitors
Laboratory of Cosmetic Sciences	
Academic Staff:	Tokudome, Y.
Research Fields:	Researching the cosmetic science, including formulation and efficacy. Especially focusing on drug formulation and percutaneous delivery systems.
Environmental Physical Chemistry	
Laboratory of Physical Chemistry for Biological Molecules	
Academic Staff:	Unno, M.
Research Fields:	Molecular Spectroscopy, Biophysics of Photoreceptor Proteins
Laboratory of Physical Chemistry of functionalized materials	
Academic Staff:	Sakaguchi, K.
Research Fields:	Functionalized carbon materials, Fabrication and evaluation of organic devices
Laboratory of Bioelectrochemistry	
Academic Staff:	Tominaga, M.
Research Fields:	Bioelectrochemistry, Electrochemical sensor, Biosensor, Microbial fuel cell
Environmental Chemistry and Engineering	
Laboratory of Environmental Chemical Engineering	
Academic Staff:	Ohto, K. Morisada, S.
Research Fields:	Advanced environmental chemistry

ACADEMIC STAFFS ATTENDING IEPAD COURSES AND THEIR RESEARCH INTERESTS AND MAJOR FIELDS

GRADUATE SCHOOL OF SCIENCE AND ENGINEERING [DOCTOR COURSE]

Mathematical and Information Science Course			
	Data Science		
	Laboratory of Data Science		
	Academic Staff:	Minamoto, T.	Ishimoto, Y.
	Research Fields:	Numerical Verification, Image Processing, Signal Processing, Digital Watermarking, Wavelet Analysis, Applied Mathematics, Data Science, Machine Learning, Lifescience informatics, Biophysical system	
	Computer Science and Information Engineering		
	Laboratory of Smart System		
	Academic Staff:	Matsumae, S.	Nakayama, K.
	Research Fields:	Intelligent Informatics, Artificial Intelligence, Parallel and Distributed Algorithms	
	Laboratory of Cyber Physical System		
	Academic Staff:	Fukuda, O.	Okumura, H.
	Research Fields:	Artificial intelligence, Robotics, Intelligent sensing, Data science, Data visualization, Biological system, Remote sensing, Medical image processing	
	Laboratory of Fundamental and Applied Informatics		
	Academic Staff:	Hori, Y.	Okazaki, Y.
	Research Fields:	Information and Systems in Education, Computational Science, Information network, Network security	

Mechanical and Electrical Energy Engineering Course				
	Thermo-Fluid Energy Engineering			
	Laboratory of Thermal Engineering			
	Academic Staff:	Mitsutake, Y.	Kariya, K.	Ishida, K.
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	Laboratory of Fluid Engineering			
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Laboratory of Functional Ceramics			
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Academic Staff:	Takeshita, M.		
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Academic Staff:	Kawakita, H.		
Research Fields:	Separation and removal material preparation of metals, Modified saccharides and polysaccharides synthesis using enzymatic reaction		
Laboratory of Photoreceptor proteins			
Academic Staff:	Fujisawa, T.		
Research Fields:	Photosensing, energy production, and luminescence of proteins, Vibrational spectroscopy, Vibrational optical activity		

<i>Inorganic Materials Chemistry</i>		
Laboratory of Coordination Chemistry		
Academic Staff:	Koikawa, M.	Yamada, Y.
Research Fields:	Education and studies on synthesis, structure, and physical properties of metal complexes, Structural aspects of metal complexes, Basic coordination chemistry	
<i>Organic Materials Chemistry</i>		
Laboratory of Advanced Organic Materials		
Academic Staff:	Narita, T.	
Research Fields:	Education and studies on syntheses, structures and properties of polymers and functional organic materials, Polymeric material sciences, Structure of organic thin films	
Laboratory of Advanced Biological Materials		
Academic Staff:	Osada, S.	
Research Fields:	Synthesis and structure of biologically active peptides, Chemistry of ion channel forming peptides, Mechanism-based design and synthesis of enzyme or receptor inhibitors	
Laboratory of Cosmetic Sciences		
Academic Staff:	Tokudome, Y.	
Research Fields:	Researching the cosmetic science, including formulation and efficacy. Especially focusing on drug formulation and percutaneous delivery systems.	
<i>Environmental Physical Chemistry</i>		
Laboratory of Physical Chemistry for Biological Molecules		
Academic Staff:	Unno, M.	
Research Fields:	Molecular Spectroscopy, Biophysics of Photoreceptor Proteins	
Laboratory of Physical Chemistry of functionalized materials		
Academic Staff:	Sakaguchi, K.	
Research Fields:	Functionalized carbon materials, Fabrication and evaluation of organic devices	
Laboratory of Bioelectrochemistry		
Academic Staff:	Tominaga, M.	
Research Fields:	Bioelectrochemistry, Electrochemican sensor, Biosensor, Microbial fuel cell	
<i>Environmental Chemistry and Engineering</i>		
Laboratory of Environmental Chemical Engineering		
Academic Staff:	Ohto, K.	Morisada, S.
Research Fields:	Advanced environmental chemistry	



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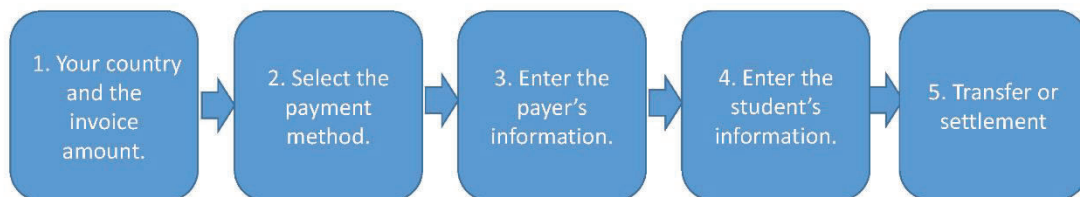
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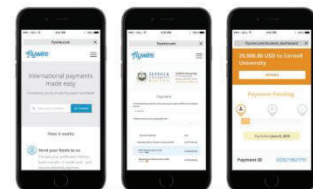
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学生様・親御様はフライワイヤーのサイトで支払い手続きを開始してください。

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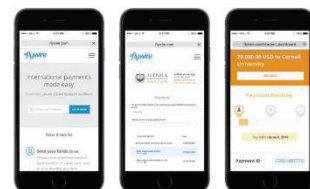
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