佐賀大学大学院工学系研究科 環境・エネルギー・健康科学グローバル教育プログラム 博士後期課程(外国人留学生-在外) 学生募集要項

Guide for the Application for the Foreign Students of Education Program for Global Advancement (EPGA) in Environmental, Energy and Health Science

(Doctor Course)

2020

Application Deadline: June 8, 2020.

Academic Year Start: October 1, 2020.

Graduate School of Science and Engineering SAGA UNIVERSITY

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Education Program for Global Advancement (EPGA) in Environmental, Energy and Health Science

(Doctor Course)

2020

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GUIDE FOR THE APPLICATION FOR THE FOREIGN STUDENTS OF EDUCATION PROGRAM FOR GLOBAL ADVANCEMENT (EPGA) IN ENVIRONMENTAL, ENERGY AND HEALTH SCIENCE

The Education Program for Global Advancement (EPGA) in Environmental, Energy and Health Science provides all lectures, seminars, and internships, etc. on global environmental, energy problems and health expertise 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 EPGA is an educational course in the Graduate School of Science and Engineering, Saga University, that will start in October 2020, in order to bring up global researchers and engineers who will contribute to environmental, energy and health science. This is a call for application to a three-year Doctor Course from the academic year of 2020.

The wisdom that mankind has created by the academic deepening has brought humanity a prosperous life through developing science and technology. To improve science and technology, it is necessary to spread health sciences in addition to efforts from the viewpoint of environmental and energy conservation. Educational study of the environmental, energy and health science should be performed from the all-round and global viewpoint. The EPGA has been established in the Graduate School of Science and Engineering in order to discuss and solve environmental, energy and health problems. The scope and goal of this EPGA is the education for students to possess an all-round insight for the environment, energy and health science from the global point of view after their completion by acquiring knowledge and thinking power.

In the Doctor Course program of the EPGA, education and research guidance of the fields are given in the Graduate School of Science and Engineering: Chemistry and Applied Chemistry, Mechanical Engineering, Electrical and Electronic Engineering, Civil Engineering and Architecture, and Advanced Technology Fusion. 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 EPGA are granted the Doctor's Degree (Science, Engineering or Ph.D.). The month of entrance for foreign students is October, and they can enter the EPGA course immediately after completing their Master's Degree program without learning Japanese language.

OUALIFICATIONS

- 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 30, 2020.
 - 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 30, 2020.
 - 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 30, 2020.
 - 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 30, 2020, 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.
- 3. **Health:** Applicants should be in good health both mentally and physically.

佐賀大学大学院工学系研究科 環境・エネルギー・健康科学グローバル教育プログラム博士後期課程 留学生募集要項

佐賀大学大学院工学系研究科環境・エネルギー・健康科学グローバル教育プログラム (EPGA) 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。EPGA は、環境・エネルギー・健康科学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、2020 年 10 月から新たに設置いたします。ここに、2020 年度の博士後期課程 (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、環境・エネルギー保全の観点からの取り組みに加え、健康科学の普及も必要です。環境・エネルギー科学の教育研究は、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。EPGAは、環境・エネルギー・健康問題を議論し解決するために工学系研究科に発足しました。修了後、工学系分野および医工学系分野の知識と思考力を持ち、環境・エネルギー・健康科学について世界的な視野で総合的に洞察できる学生を育成することを目的としています。

EPGA 博士後期課程プログラムは、工学系研究科の化学、機械、電気電子、都市、先端融合の分野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、連絡をとることをお奨めします。

本コースの博士後期課程修了者には博士(理学,工学及び学術のいずれか)の学位が与えられます。なお、本申請による入学は10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。

応募資格

- 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 2020 年 9 月 30 日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 2020 年 9 月 30 日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 2020 年 9 月 30 日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、2020年9月30日において満24歳に達した者
- 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, 2020年9月23日までに渡日可能な者

- 4. **Language proficiency:** A good working level of English is required.
- 5. **Arrival in Japan:** Applicants should arrive in Japan by September 23, 2020, 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 23, 2020.
- 3) Admission shall be canceled if the applicant fails to receive the Master's Degree on or before September 30, 2020.
- 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 done for each semester biannually within the beginning two months of the semester.

For the 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, 2020.

SELECTION AND ADMISSION

- 1. Applicants who have excellent record will take an interview or an Internet interview by their desired Advisory Professor (Supervisor) after all-round judgment of submitted papers.
- 2. Applicants shall be examined by the Screening Committee of the EPGA. Only those who have a solid academic background, research capability and commitment will be selected as a successful candidate. Final result of the selection will be informed in the middle of July, 2020
- 3. 6 applicants will be selected as the candidates.

APPLICATION PROCEDURE

- 1. Applicants should prepare the following documents to be forwarded to the Entrance Examination Office, Saga University
 - **① Application Form** (Form A).
 - ② Field of Study and Study Program (Form B). (This should be printed on both sides.)
 - ③ Official transcripts of **Bachelor's degree**, and **Master's degree** or certificate representing that the applicant will be conferred Master's degree by September 30, 2020. 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. The transcript or certificate must be sealed by the authority or sent directly from the university.
 - ④ Transcripts of **Academic Record** issued by the university authorities and its English translation. (The criteria of academic assessment should be also shown.)
 - 5 English summary of **Master Thesis** or it's 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.

注

- 1) 現役軍人や軍属の資格の者は出願できません。
- 2) 2020年9月23日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、2020 年 9 月 30 日までに学位を 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2020年10月1日です。

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、EPGA 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 2020 年 7 月中旬に本学より志願者へ通知します。
- 3. 定員は6名です。

申請

- 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。
 - 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,2020年9月30日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

- 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 \times 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) **Entrance Examination Fee:** 30,000 Yen. The entrance examination fee should be transferred as a postal money order at post office, or sent as a check (US dollar) to Entrance Examination Office of Saga University. Note that in the case of a check, if amount of exchanged Japanese yen was below 30,000 Yen, the check cannot be received by Entrance Examination Office of Saga University.
- 2. All documents should be sent by registered airmail, and must arrive at the Entrance Examination Office by **June 8, 2020.**

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 applicant will be deprived of entrance under the following cases:
 - a. False statements on the documents.
 - b. Violation of the pledge.
- 2. Applicants 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. Applicants 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 of the EPGA should be sent by air mail to the address shown below. Note that the application forms must not be submitted in any kinds of electronic form. Forms sent by facsimile and attached files on e-mail shall not be accepted in any occasion.

Entrance Examination Office Saga University 1 Honjo-machi Saga 840-8502, Japan Fax: (+81)-952-28-8944

E-mail: epga@mail.admin.saga-u.ac.jp

してください。

- ⑧ $4.5 \text{cm} \times 3.5 \text{cm}$ 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

納入方法としては、郵便局においてポスタルマネーオーダー(国際送金)で送金する又は銀行で送金小切手(USドル)に替えて、それを出願書類と併せて送付するなどがあります。ただし、送金小切手の場合、本学が日本円に換金して30,000円に満たない場合は、出願書類を受理しませんので、不足が無いように注意してください。

2. すべての書類は書留の航空便で佐賀大学学務部入試課まで送付してください。2020 年 6月8日必着とします。

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

EPGA の申請書等は、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。

 $\mp 840 \text{-} 8502$

日本国佐賀県佐賀市本庄町1番地

佐賀大学学務部入試課

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

Email: epga@mail.admin.saga-u.ac.jp

ACADEMIC STAFFS FOR GRADUATE SCHOOL OF SCIENCE AND ENGINEERING [Doctor Course]

Academic Staff

Major Teaching and Research Field

Course of Electronics and Information Systems

Chair of Electrical and Electronic Engineering

Electronics, Information and Communication

Toyoda, I., Tanaka, T. and Nishiyama, E. *Advanced Microwave Engineering*Itoh, H. and Fukumoto, H. *Advanced Computational Engineering*

Guo, Q. Advanced Optoelectronics

Tanaka, T. Photoelectronic Materials and Devices

Unsettled Integrated Circuit Design

Wakuya, H. Bionic and Cybernetic Engineering

Hara, S. Photovoltaic System

Sasaki, S. Advanced Electronics Packaging Technology

Advanced Power Electronics

Kasu, M. Power Electronic Devices and Materials
Oishi, T. Microwave Electronic Devices and Circuits

Ohtsu, Y. and Ihara, S.

Takahashi, K.

Unsettled

Plasma Energy Engineering
Surface and Interface Dynamics
Wide-band-gap Materials and Devices

Course of Mechanical Engineering and Physical Science

Chair of Mechanical Engineering

Thermo-Fluid Energy Engineering

Miyara, A., Mitsutake, Y. and Kariya, K. Thermal Engineering, Heat and Mass Transfer

Kinoue, Y. and Shiomi, N. Fluid Engineering

Material and Design Engineering

Hagihara, S., Hattori, N., Tadano, Y.,

Mechanics of Materials, Solid and Structures

Taketomi, S. and Morita, S.

Zhang, B. and Hasegawa, H. Design and Production Engineering

Tsujimura, T. and Izumi, K. Advanced Robotics

Sato, K. Control Engineering, Robust Adaptive Control

Ocean Energy Engineering

Imai, Y. Ocean Engineering
Arima, H. Thermal Engineering

Ikegami, Y. Thermal Energy Conversion Systems

Course of Environmental Science and Engineering

Chair of Chemistry and Applied Chemistry

Inorganic Materials Chemistry

Koikawa, M. and Yamada, Y. *Coordination Chemistry*

Organic Materials Chemistry

Unsettled Advanced Organic Chemistry

Hanamoto, T., and Osada, S. Advanced Biological Materials
Narita, T. Advanced Polymeric Materials

Environmental Physical Chemistry

Unsettled Physical Chemistry of Amphiphilic Materials
Era, M. Physical Chemistry for Photonic and

Optoelectronic Materials

Unno, M. Biological Molecular Spectroscopy

Sakaguchi, K. Physical Chemistry of functionalized materials

Tominaga, M. Advanced Bioelectrochemistry

Environmental Chemistry and Engineering

Ohto, K. and Morisada, S. Environmental Chemical Engineering Takamuku, T. Functional Molecular Chemistry

Chair of Civil Engineering and Architecture

Civil Engineering

Hino, T. Geotechnical Engineering
Obiya, H. Structural Engineering
Ito, Y. Construction Materials

Environmental System Engineering

Ohgushi, K. Yamanishi, H., Oshikawa.H

and Narumol, V. Water Environmental System
Li, H. and Inohae, T. Urban System and Environment

Architecture and Urban Design

Mishima, N. and Goto, R., Kojima, S. and

Nakaohkubo, K.

Urban Design and ArchitectureNakaohkubo, Environmental Design for Architecture

Course of Advanced Technology Fusion

Chair of Advanced Technology Fusion

Biomedical Engineering

Goto, S. and Sugi, T.

Matsuo, S., Hashimoto, T. and Sumi, T.

Teramoto, K.

Ueno, N.

Joseph Md. T. I. Khan

Systems Control

Fluid Engineering

Sensing Systems

Interface devices

Biomedical Sensing

Muramatsu, K. Computational Electromagnetics

Dozono, H. Soft Computing
Kimoto, A. Biosensors

Yamaoka, Y. Biomedical Imaging

Advanced Material Chemistry

Akatsu, T. and Yada, M. Functional Ceramics

Takeshita, M. Advanced Organic Materials

Kawakita, H. Environmental Chemical Engineering

Fujisawa, T. Photoreceptor proteins

MAJOR TEACHING AND RESEARCH FIELDS

Graduate School of Science and Engineering [Doctor course]

Course of Electronics and Information Systems

Chair of Electrical and Electronic Engineering

Electronics, Information and Communication

Advanced Microwave Engineering	Toyoda, I., Tanaka, T. and Nishiyama, E.
Advanced Computational Engineering	Itoh, H and Fukumoto, H
Advanced Optoelectronics	Guo, Q.
Photoelectronic Materials and Devices	Tanaka, T.
Integrated Circuit Design	
Bionic and Cybernetic Engineering	Wakuya, H.
Photovoltaic System	Hara, S.
Advanced Electronics Packaging Technolo	gySasaki, S.
Advanced Power Electronics	
Power Electronic Devices and Materials	Kasu, M.
Microwave Electronic Devices and Circuits	Oishi, T.
Plasma Energy Engineering	Ohtsu, Y. and Ihara, S.
Surface and Interface Dynamics	Takahashi, K.
Wide-band-gap Materials and Devices	Unsettled

Course of Mechanical Engineering and Physical Science

Chair of Mechanical Engineering

Thermo-Fluid Energy Engineering

Turbomachinery, compressible fluid flow, effective utilization of fluid energy, multiphase flow

Material and Design Engineering

Mechanics of Materials, Solid and Structures Hagihara, S., Hattori, N., Tadano, Y., Taketomi, S. and Morita, S.

Strength of materials

Advanced solid mechanics

Computational mechanics

Numerical analysis for structures

Fatigue strength of metals and advanced materials

Design and Production EngineeringZhang, B., Hasegawa, H. and Mawatari, T.

Design of machinery and machine elements

Tribology of machine elements

Surface engineering

Advanced Robotics	ոi, K.
Control Engineering	K.
Ocean Energy Engineering	
Ocean EngineeringImai,	, Y.
Wave energy conversion system, Marine hydrodynamics, Floating system	
Thermal Engineering	
Thermal Energy Conversion Systems	
Course of Environmental Science and Engineering	
Chair of Chemistry and Applied Chemistry	
Inorganic Materials Chemistry	
Coordination Chemistry	
Organic Materials Chemistry	
Advanced Organic Chemistry	tled
Advanced Organic Materials	
Advanced Biological Materials	sada S
Organic fluorine chemistry. Synthesis and structure of biologically active peptides. Chemistry of ion channel forming peptides. Mechanism-based design and synthesis of enzyme or receptor inhibitors.	Add 1 S.
Environmental Physical Chemistry	
Physical Chemistry of Amphiphilic MaterialsU	nsettled
Self-organization of Amphiphiles	
Polymer - Amphiphile Interactions	
Physical Chemistry for Photonic and Optoelectronic Materials Era, N Optoelectronic materials Advanced Solid State Chemical Physics	Л.
Physical Chemistry for Biological Molecules	1.

·	Chemistry of functionalized materials
·	Chemistry for bioelectrochemistryTominaga, M. Bioelectrochemistry Bio-fuel cell
Environment	tal Chemistry and Engineering
	nental Chemical Engineering Ohto, K. and Morisada, S. Advanced environmental chemistry
	Chemistry
Chair of Civil Engin	neering and Architecture
Civil Engine	ering
	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
	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
	Ito, Y. Improvement of mechanical properties of construction materials Utilization of waste materials
	Advanced concrete engineering Maintenance management of concrete structures Development of inspection technique for concrete structure
	Advanced geotechnical materials Geotechnical materials engineering
	tal System Engineering nagement SystemOhgushi, K., Yamanishi, H. Narumol, V. and Oshikawa, H.
	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

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

Urban Design and Architecture Mishima, N., Goto, R., Hirase, Y. and Miyahara, M.

Basic principle and application of urban planning and transportation planning

Advanced urban space design

Advanced transportation planning

Advanced environmental evaluation

Town space design

Advanced Architectural environmental control

Urban and Building Environment

Course of Advanced Technology Fusion

Chair of Advanced Technology Fusion

Biomedical Engineering

Compensation of hand movement by additional force

Power system control; Reliability analysis of equipments in power stations,

Modeling and analysis of geothermal power station

Plant system control; Modeling and control of Ocean/Spring Thermal Energy

Conversion(OTEC/STEC), Modeling and control of chemical plant

Mechatronic system control; Simulator for articulated robot arm,

Cooperative control of plural robots, Forcefree control

Biosensors; Intelligent-composite multisensors

Biosensors; Tactile sensors mimicking human perceptions

Biosensors; Non-invasive imaging with composite sensors

Biomedical imaging; Photoacoustic imaging

Biomedical imaging; Nonlinear optics

Numerical analysis of electromagnetic field

Optimal design of electromagnetic apparatus

Modelling of magnetic materials

Soft computing

Self-organizing maps

Fluid Engineering...... Matsuo, S., Hashimoto, T. and Sumi, T.

Compressible fluid flow, effective utilization of fluid energy, multiphase flow

Sensing SystemsTeramoto, K	.
Non-destructive testing.	
Inverse problems in multidimensional sensing.	
Wave-field analysis	
Biomedical sensing by ultrasound	
Photonic Sensing.	
Nano-scale Sensing.	
Signal processing	
Interface Devices	N.
Biomedical Sensing	Chan
Advanced Material Chemistry	
Functional Ceramics	on
Ceramic composite	
Advanced Organic Materials	M.
Environmental Chemical Engineering	, Н.
Photoreceptor proteins	, T.

EDUCATION PROGRAM FOR GLOBAL ADVANCEMENT (EPGA) IN ENVIRONMENTAL, ENERGY AND HEALTH SCIENCE

GRADUATE SCHOOL OF SCIENCE AND ENGINEERING, SAGA UNIVERSITY

APPLICATION FORM

INSTRUCTIONS (記入上の注意)

- 1. Application should be typewritten or written in Roman block capitals. (記入は楷書又は大文字のローマ字体を用いること。)
- 2. Numbers should be written in Arabic figures. (数字は算用数字を用いること。)
- 3. Year should be written in the Anno Domini system. (年号はすべて西暦とすること。)
- 4. Proper nouns should be written in full and not be abbreviated. (固有名詞はすべて正式な名称とし、一切省略しないこと。)
- 5. An examination fee of 30,000 yen should be enclosed. (検定料 30,000 円を添えること。)
- 6. Write your name and the address within the box below for notifying the result of the selection. This box will be used for the addressing stickers.

(合格通知書等を送付するので氏名と住所を下記欄に記入のこと。 この欄は住所ラベルとして使用する。)

*受験番号	
第	号

EDUCATION PROGRAM FOR GLOBAL ADVANCEMENT (EPGA) IN ENVIRONMENTAL, ENERGY AND HEALTH SCIENCE GRADUATE SCHOOL OF SCIENCE AND ENGINEERING, SAGA UNIVERSITY (DOCTOR COURSE)

2020 年度佐賀大学大学院工学系研究科環境・エネルギー・健康科学グローバル教育プログラム(博士後期課程) 入学志願票

<u> </u>		T
	urse	Paste a passport sized photograph or digita
	Electronics and Information Systems	photograph or digita image taken within the
	Mechanical Engineering and Physical Science	past 6 months. Write your
	Environmental Science and Engineering	name and nationality in
	Advanced Technology Fusion	block letters on the back
Ch	air and Research Field	of the photo.
	Chair:	$(4.5 \text{ cm} \times 3.5 \text{ cm photo})$
_	Research Field:	(写真 (4.5 cm×3.5cm))
Na	me of the desired supervisor (指導を希望する主指導教員名をかならず記入すること。)	
_		
1.	Name in full, in native language (姓名(自国語))	
-	(Family name) (First name) (Middle name)	(Sex)
	In Roman block capitals (ローマ字)	□Male (男)
	In itoman block capitals (* 177)	□Female (女)
-	(Family name) (First name) (Middle name)	(Marital Status)
		□Single (未婚)
2.	Nationality	□Married (既婚)
	(国籍)	
3.	Date of birth (生年月日) Year 19 ,Month ,Date ,Age	(As of April 1st, 2020)
	(年) (月) (日) (年間)	•• /
4.	Present status; with the name of the university attended, or of the emp. (現職(在学大学名又は勤務先名まで記入すること))	loyer
5.	Present address and telephone number, facsimile number or E-mail add (現住所及び電話, ファックス番号, E-mail アドレス)	dress
	Present address (現住所):	
	電話番号/FAX 番号(Telephone/facsimile number):	
	E-mail address :	
6.	Permanent address (本籍):	
7.	Field of specialization studied in the past (Be as detailed and specific as	s possible.)
	(過去に専攻した専門分野(できるだけ具体的に詳細に書くこと。)	

8. Educational background (学歴)

	Name and Address of	Year and Month of Entrance and	Amount of time	Diploma or Degree awarded,Major subject
	School	Completion	spent at the school attended	(学位・資格,専攻科目) When taking leave of
	(学校名及び所在地)	(入学及び卒業年 月)	(修学年数)	absence,the period and reason. (休学した場合はその期間・理由)
Elementary Education (初等教育)	Name (学校名)	From (入学)	years (年)	
	Location (所在地)	To (卒業)	and months	
(小子仅)			(月)	
Secondary Education	Name	From	years	
(中等教育)	(学校名)	(入学)	(年)	
	Location	То	and	
Lower Secondary School	(所在地)	(卒業)	months	
(中学)			(月)	
	Name	From	years	
	(学校名)	(入学)	(年)	
Upper Secondary School				
(高校)	Location	То	and	
	(所在地)	(卒業)	months	
			(月)	
Higher Education	Name	From	years	
(高等教育)	(学校名)	(入学)	(年)	
(回子教育)				
Undergraduate Level	Location	То	and	
(大学)	(所在地)	(卒業)	months	
0(4)			(月)	
	Name	From	years	
	(学校名)	(入学)	(年)	
Graduate Level				
(大学院)	Location	То	and	
	(所在地)	(卒業)	months	
			(月)	
Total years of school	ling mentioned above			
-	学校教育修学年数)	years(年)		
	ril 1, 2020	years(+)		
(2020年4)				
			•	

- * If the blank spaces above are not sufficient for the information required, please attach a separate sheet (注)上欄に書ききれない場合には、適当な別紙に記入して添付すること。)
- 9. State the titles or subjects of books or papers (including graduation thesis authored by the applicant), if any, with the name and address of publisher and the date of publication. (著書, 論文(卒業論文を含む。)があればその題名, 出版社名, 出版年月日, 出版場所を記すこと。)

10. Employment Record: Begin with the most recent employment, if applicable. (職歷)

Name and address of organization (勤務先及び所在地)	Period of employment (勤務期間)	Position (役職名)	Type of work (職務内容)
	From To		
	From To		

i)	Name and addres	ss of institution (学	当機関及びその住所))			
ii)	Period of study:	from		to		,	
	(学習期間)	Year (年	E) Month (月)	_	Year (年)Month (月)	-	Years(年間)
iii)	Name of teacher	教師名)					

iv) Japanese language proficiency: Evaluate your level and insert an X where appropriate in the following blank space. (日本語能力を自己評価のうえ、該当欄に×印を記入すること。)

	Excellent(優)	Good(良)	Fair(可)	Poor(不可)
Reading (読む能力)				
Writing (書く能力)				
Speaking (話す能力)				

12. Foreign language proficiency: Evaluate your level and insert an X where appropriate in the following blank space. (外国語能力を自己評価のうえ、該当欄に×印を記入すること。)

	Excellent(優)	Good(良)	Fair(可)	Poor(不可)
English(英語)				
French(仏語)				
German(独語)				
Spanish(西語)				

13. Family background (家族状況)

Name(氏名)	Relationship (続柄)	Age (年齢)	Occupation (職業)

mer * H be: fam acco	mbers to Sag [e/She is advi involved in f nilies are ac ommodation]) 家族用の宿舎	ga, Japan.) 同伴家族欄 sed to take into conside inding living quarters. dvised to <u>come alone</u> has been found. をみつけることは相当困難で	ne following information if you (佐賀に来る場合, 同伴予定の家族だれます) では (佐賀に来る場合, 同伴予定の家族だれます) では (佐賀に来る場合 は (大き) では (大き) は (大	がいる場合に記入すること。) the great expense that will be accompanied by their ents come after suitable		
	,	Name	Relationship	Age		
	(氏 名)	(続柄)	(年 齢)		
15. Per	rson to be not	ified in applicant's home	e country in case of emergency:	(緊急の際の母国の連絡先)		
i)	Name in fu	ll(氏名) :				
ii)		ith telephone number, f ドレスを記入のこと。)	facsimile number, e-mail addres	ss:(住所:電話番号,ファックス番号及		
現住	注所(present a	ddress):				
電話	活番号/FAX 番号(Telephone/facsimile nu	mber):			
E-1	mail address	:				
iii)	Occupation (職業):				
iv)	iv) Relationship (本人との関係):					
16. Imr	migration Rec	cords to Japan. (日本への渡	度航記録)			
Date	(日付)	Purpose (渡航目的)				
From To						
From To						
		Date of application(申請	青年月日):			
		Applicant's signature(申請者署名):			
		Applicant's name (in F	Roman			
		block capitals)(申請者氏約	名):			

Form B

*受験番号 第 号

専攻分野及び研究計画 Field of Study and Research Plan

Name in full,				
in your native language				
(姓名(自国語))		,		
	(Surname)		(Given name)	(Middle name)
Name in Roman capital				
letters				
(姓名(ローマ字))		,		
	(Surname)		(Given name)	(Middle name)
Nationality				
(国籍)				
-				

Proposed study program in Japan (Outline your field of study on this side and the specific of your study program on the reverse side of this sheet. This section is one of the most important references for selection. The statement must be typewritten or written in block letters. Additional sheets of paper may be attached if necessary. If plagiarism or fraud is discovered after selection, the selection will be cancelled retroactively.)

日本での研究計画;この研究計画は、選考の重要な参考となるので、表面に専攻分野の概要を、裏面に研究計画の詳細を具体に記入すること。記入はタイプ又は楷書によるものとし、必要な場合は別紙を追加してもよい。なお、採用後に不正、盗用等が判明した場合は遡って採用を取り消す。

If you have Japanese language ability, write in Japanese. (相当の日本語能力を有する者は、日本語により記入すること。)

1 Present Field of study (現在の専攻分野)

2 Your research topic in Japan: Describe articulately the research you wish to carry out in Japan.

(渡日後の研究テーマ:日本においてどういった研究がしたいかを明確に記入すること)

3 Study program in Japan: (Describe in detail and with specifics - particularly concerning the ultimate goal(s) of your research in Japan)

(研究計画:詳細かつ具体に記入し、特に研究の最終目標について具体的に記入すること。)

号

推 薦 書 LETTER OF RECOMMENDATION

佐賀大学長 様

To: President of Saga University

	被推薦者 Recommendee 氏名 Full Name: 生年月日 Date of Birth: 国籍 Nationality:
	日付 Date: (month) (date) (year)
推薦者 Recommender 署名 Signature: 氏名 Print Name:	
役職 Title and Institution (or Company):	
現住所 Present Address:	
E メールアドレス E-mail Address:	

号

証 明 LETTER OF REFERENCE

佐賀大学長 様

To: President of Saga University

	被証明者 Referenced person 氏名 Full Name: 生年月日 Date of Birth:	
	国籍 Nationality:	
	日付 Date:(month) (date) (year)	
証明者 Reference person 署名 Signature: 氏名 Print Name:		
役職 Title and Institution (or Company):		
現住所 Present Address:		
E メールアドレス E-mail Address:		