

Application Guideline for

Doctor's Program

Academic Year 2020 (Fall)

Graduate School of Engineering and Science
Shibaura Institute of Technology

HANDLING OF PERSONAL INFORMATION

Your personal information, including your name, address, and other data provided to us when you submit your application form, will be used for correspondence relating to exam results and admission procedures.

If you are admitted to Shibaura Institute of Technology (SIT), such personal information, together with the information in the student registration card that must be submitted upon admission, will be further used as required for SIT to support your student life, including purposes such as study guidance and correspondence in case of emergency.

MANAGEMENT AND STORAGE OF PERSONAL INFORMATION

SIT promises that your personal information will be managed and stored in highly secure data management systems, in accordance with the SIT Code for Personal Information Protection, to ensure that your personal information will never be leaked to third parties.

Contact

Graduate School Section,

Shibaura Institute of Technology

3-7-5 Toyosu, Koto-Ku, Tokyo 135-8548 Japan

Email: daigakuin@ow.shibaura-it.ac.jp

I. Introduction to Doctor's Program

1. Admission Policy

In the Doctor's Program, we aim to promote research and train researchers, and to foster specialist technicians and researchers who have a wealth of academic knowledge.

- Therefore we welcome the sort of students shown below.
- Those who share the principles and goals of the Graduate School of Engineering and Science.
- Those who have graduated from the Master's Program, or are at the forefront of society, and have high research capabilities.
- Those who can actively and creatively open up new fields.
- Those who can respect the ethics of engineering.

<Regional Environment Systems Course>

The Regional Environment Systems Course aims to enable researchers from different specialized fields to contribute to forming the foundation of a better society, culture and life in the regional environment through the exchange of information between them. This course seeks prospective students with the following characteristics:

Prospective students will:

- Have high ethical standards
- Have knowledge of a specialized field and are motivated to further deepen such knowledge
- Have an interest in a variety of social issues including the global environment and work enthusiastically on resolving those issues
- Accept various different opinions and work to solve issues in cooperation with researchers from other fields

<Functional Control Systems Course>

Globalization of science and technology in recent years has made it extremely important to aim for the "Construction of a Creative Nation based on New Science and Technology." To realize this, nurturing researchers and engineers who have acquired the global values and capabilities necessary to work internationally is required.

The Functional Control Systems Course aims to provide education and to conduct research in order to nurture outstanding researchers and engineers who have global values and the ability to fully grasp the truth of science. The course also aims to nurture researchers and engineers with basic skills for technology management and proficiency in English for engineers as well as shared values and ethics, whilst researchers from different research fields maintain relationships with each other to form the entire course.

This course accepts prospective students with the following characteristics in the areas related

to communication function control, functional device control, system control, and biosystems and biomolecule control:

Prospective students will:

- Acquire specialized knowledge and logical thinking incorporating other research fields, based on the educational goal of this course, and will aim for the continuous improvement of their applied skills.
- Be willing to discover various issues in the fields described above, and to challenge these various issues in order to resolve them.
- Have the intention to acquire a high ethical standard, proficiency in English for engineers and presentation skills, as well as being willing to understand diversity on values and cultures, and to contribute to society from an international perspective.
- Make efforts to conduct high-level research and technology development in cooperation with other engineers and researchers both from within Japan and abroad.
- Overseas students
- Be engineers and researchers who possess rich experiences from private companies and other relevant places and who aspire towards self-improvement.

2. Degree for the Doctor's Program

Students who completed doctor's Program will be awarded a Doctor of Philosophy degree.

II. Application Guideline for Doctor's Program

~2020 Fall Enrollment~

1. Course and Number of students accepted

Program	Course	Intake per year
Doctor's Program	Regional Environment Systems	A Few
	Functional Control Systems	A Few

*The number of students to be accepted is not for each exam unit but for the entire year of 2020.

2. Type of Examination

You can apply for the either of following exam types.

(1) General Program

You can apply for this course if you meet one of the requirements of “3. Qualification for Applicants”.

(2) Program for Working Adults

You can apply for this course if you meet all of the following requirements.

- You meet one of the requirements of “3. Qualification for Applicants”.
- You are working in the public office, company or organization and your superior or boss has authorized your application for this doctoral program.

* As a general rule, applicant is supposed to enroll in the doctoral program while continuing to work full-time.

3. Qualification for Applicants

Applicants must meet either or the application requirements (1) to (7) listed below.

- (1) Those who have completed or expect to receive a master's degree or professional degree by the end of September 2020.
- (2) Those who have received or expect to receive a degree by the end of September 2020 from a university abroad that is equivalent to a master's degree or professional degree
- (3) Those who have received or expect to receive a degree by the end of September 2020 from a university abroad that is equivalent to a master's degree or professional degree by taking courses of such university in Japan by correspondence
- (4) Those who have received or expect to receive a degree by the end of September 2020 from a university abroad that is equivalent to a master's degree or professional degree by taking the courses, specified separately by the Minister of Education, Culture, Sports, Science and

Technology, of educational facilities positioned as those with a graduate program abroad

(5) Those who have received or expect to receive a Master's degree through course completion at the United Nations by the end of September 2020

(6) For those specified by the Minister of Education, Culture, Sports, Science and Technology (the announcement no. 118 of the Ministry for 1989) (Note1)

(7) For those who will become 24 years old by the end of September 2020 and who are certified to have an academic skill equivalent to that of a student with a master's degree or professional degree by the review of the Committee of the Graduate School of Engineering and Science (Note2)

Note1) Those who are applicable to the qualification for applicants, (6) mean "those who graduated from university and engaged in research for two years or more at a university or research institute and are certified to have an academic skill equivalent to that of a student with a master's degree for their research achievement by the Graduate School of Engineering and Science" or "those who, after completing the 16-year course of study of school education abroad or taking courses provided by foreign school in Japan by correspondence, engaged in research for two years or more at a university or research institute and are certified to have an academic skill equivalent to that of a student with a master's degree for their research achievement by the Graduate School of Engineering and Science".

Note2) Those who are applicable to the qualification for applicants, (7), "those who are certified to have an academic skill equivalent to that of a student with a master's degree or professional degree" must satisfy either of the following requirements.

- ① University graduates who have more than three years of practical experience in the relevant field and engaged in research and development activities for two years or more.
- ② For those other than above, **those who have an academic skill equivalent to that of a student with a master's degree or professional degree for their achievement including publication of books, scientific papers, academic lecture, scientific reports and patents, etc.**

- ※ **If you apply in terms of qualification (6) and (7), you are subject to Prequalification. Please contact the Graduate School Section via e-mail well before April 28, 2020: daigakuin@ow.shibaura-it.ac.jp**
- ※ **Please make sure to receive preliminary guidance from a prospective supervisor before submitting your application.**

4. Application Procedures

- (1) Contact the preferred supervisor you would like to pursue the degree and discuss on the examination requirements and research project. Also, obtain the supervisor's consent in accepting you to be part of the supervisor's research laboratory after admission.
 - (2) Download the application guidelines and read them carefully.
 - (3) Prepare the necessary documents and convert them into data as instructed in the application guidelines.
 - (4) Enter the required information and upload the required documents on TAO by the application deadline.
 - (5) Send a request to the preferred supervisor to issue a letter of acceptance by the deadline.
 - (6) (Beside the current students) send a request for recommender to make a letter of recommendation by the deadline.
- ※Be sure to complete all procedures for (5) and (6) by specified application deadline
- (7) Pay the examination fee by the deadline and complete submission after checking your application thoroughly on any defects or incomplete information.

< Note >

Before proceeding with the application, the applicant must first contact supervisor whom he/she wish to pursue their research study. You should discuss about the research plan, interview session and obtain the acceptance to enter the research laboratory. If you have no means to contact him/her, email documents specified below to Graduate School Section.

(Make an introduction statement email so that the email can be directly forwarded to the supervisor)

1. Reason statement describing why you would like to pursue study in the supervisor's laboratory (you can write a statement in the email contents)
2. Curriculum Vitae
3. Research Plan

As it will take time in contacting and getting the feedback from the supervisor, we will not accept any emails requesting to contact preferred supervisor after **12:00 (JST) on May 28, 2020.**

※Application is not accepted if there is no acceptance from the supervisor.

Contacts for any inquiries :

Shibaura Institute of Technology

Graduate School Section

<daigakuin@ow.shibaura-it.ac.jp>

5. Application's Document List

Application for this entrance examination is done by online application system of "The Admissions Office (TAO)". For details on how to use and etc., Please refer to "The Admissions Office (TAO) Usage Manual" uploaded in the webpage of the Application Guidelines.

Online Application System Period:

from May 21th (Tue.), 2020 12:00 (JST) to June 4th (Tue.), 2020 16:00 (JST)

*We do not accept application after the application period.

*You must read the user manual of TAO carefully, fill out all the information and complete the submission before the deadline. In the case the application deadline is over before pressing Click to Submit Application button, the application will not be accepted. (The online system will be automatically closed after the deadline.)

*Be noted that if you miss press Click to Submit Application button, the application will not be accepted even though all the necessary information is filled out.

* Any inquiries might not be replied from April 29th (Wed.), 2020 to May 6th (Wed.), 2020 due to the public holiday

■ Application Documents

Application Documents	Type	Submission Method or Requirement
① Application Form < All Applicant >	Direct input into TAO	Fill-in directly into the form "Application Form" on the TAO system. If you were not be able to fill academic background or working experience in the fields provided in the "Application for Admission" due to the limited space, submit it separately at "Submission Documents" on TAO as "Other Documents"
② Facephoto < All Applicant >	JPEG	Upload the data of your portrait photo on TAO. *Photograph should be color 4cm*3cm, no older than 3 months and show a clear, front view, full face of the person. The person should be without hat or dark glasses. The photo will be used for a student ID for successfully enrolled applicants.
③ Transcript < All Applicant >	PDF (Scan data)	Upload the scan data of Transcript at the "Submission Documents" on TAO. Documents should be written in English or Japanese and certified by the school president at the graduated University. *It is possible to submit Transcript certificate mixed up with Certificate of Graduation. In the case, it is sufficient to upload a copy of to the "3, Transcript" column and leave it blank for "4, Certificate of Completion" column.

Continued on the following page

Application Documents	Type	Submission Method or Requirement
<p>④ Certificate (Prospective) of Completion <All Applicant></p>	PDF (Scan date)	<p>Those who have received (or expect to receive) a master's degree in Japan Upload the scan data of Master degree certificate at the "Submission Documents" on TAO. Documents should be written in English or Japanese and certified by the school president at the graduated University. *It is possible to submit Transcript certificate mixed up with Certificate of Completion. In the case, it is sufficient to upload a copy of to the "3, Transcript" column and leave it blank for "4, Certificate of Graduation" column.</p> <p>Those who are other than above Those who have received (or expect to receive a master's degree or professional degree out of Japan should upload the document to certify the degree award. *As we need to check if you meet the application qualifications, please contact to the Graduate School Section by May 28th, 2020.</p>
<p>⑤ Letter of Recommendation <Other than Shibaura Institute of Technology students></p>	Direct Input into TAO	<p>Complete the "Letter of Recommendation" form on TAO. Enter the recommender's e-mail address and send a request to create/write a letter of recommendation. The recommender should be a person who is familiar with the applicant, such as a supervisor at the university where he / she is from, or a supervisor at work. Those who apply to the program for working adults, request a current supervisor to make a recommendation.</p>
<p>⑥ Letter of Acceptance <All Applicant></p>	Direct Input into TAO	<p>Complete the "Letter of Recommendation" form on TAO. Enter the e-mail address of the prospective supervisor and send a request to do an acceptance process. Allow enough time for request to the supervisor so that you can complete the Acceptance procedures before the application deadline.</p>
<p>⑦ Abstract of Master's thesis <All applicants></p>	PDF (Scan Data)	<p>Those who have received (or expect to receive) a master's degree Upload the PDF data of the abstract of your master's thesis at the "Submission Documents" on TAO. The abstract should be free format, within 2 pages and A4 size. For those who expect to complete master's programs, submit a summary of your current research projects. A summary also should be free format, within 2 pages and A4 size.</p> <p>Those who are other than above Upload the PDF data of an essay regarding your work on your specialized area at the "Submission Documents" on TAO. It should be within 1 page, A4 size and free format.</p>
<p>⑧ Research Plan <All applicants></p>	PDF (Scan Data)	<p>Upload the PDF data of you research plan at the "Submission Documents" on TAO. It should be within 1 page, A4 size and free format.</p>
<p>⑨ Research Achievement <All applicants></p>	PDF (Scan Data)	<p>Download the specific form (excel file) from the webpage, fill out the required information and upload it at the "Submission Documents" on TAO.</p>

Application Documents	Type	Submission Method or Requirement
⑩ Entrance Examination Fee (¥35,000)	—	<p>Applicants for "General Program"</p> <p>The payment method can be selected two type: "Credit card payment" or "paying at Convenience store" from the "Payment" menu on TAO. Payment by the certificate issuing machine inside the campus (Papyrusmate) is not permitted. Payment must be done before 12:00 (JST), June 3, 2020 as it takes time to reflect the payment information on the system.</p> <p>Applicants for "Program for Working Adults"</p> <p>Admission Examination fee will be waived. <i>*Those who apply as working adults must contact the Graduate School Section in advance.</i></p>
⑪ English Test Score Report <All applicants>	PDF (Scan Data)	<p>Upload the scan data of the official score report at the "Submitted documents". Scores of TOEIC® L & R, TOEIC® S & W, TOEFL® iBT, IELTS Academic, GTEC (4 Skills for Professionals / Students) or other equivalent English proficiency test issued within the past 5 years are acceptable. Score of IP Test is accepted only when it's taken at Shibaura Institute of Technology.</p>
⑫ Identification <Foreign Students>	PDF (Scan data)	<p>Upload the scan data of Upload the scan data of passport copy (the page of face photo) to the "Submitted Documents" on TAO. For those who reside in Japan, upload either a copy of the Resident Card (both sides) or a copy of the Alien Registration Card.</p>
⑬ Confirmation Check Sheet <All Applicant>	Direct Input into TAO System	<p>Read "Confirmation Check Sheet" on TAO and click the check mark to confirm the contents of requirements</p>

*It is not necessary to submit the original copy of the uploaded documents. However, if necessary, you may be required to submit the original upon enrollment.

《Notes》

- If there is defect in the application content, the application may not be accepted.
- **Any documents other than those described in English (including recommendation letters) will not be accepted. If you can only prepare documents in other languages, please prepare a notarized translation and upload it to TAO along with the original language document.**
- We could not cooperate at all about any correction and substitution of documents which you have submitted.
- After the application, you cannot change the application details (year of admission, major, supervisor and etc.)
- If there is a forgery, a false statement or bribery in the documents / documents submitted at the time of application, etc., it may be regarded as fraudulent and the result of the entrance examination may be invalidated. Also in this case, the submitted documents, documents, etc. and the admission fee will not be refunded.

6. Examination

(1) Selection for Admission

(i) Applicants who apply as General Examination will take a presentation (15 mins) and an oral assessment (15 mins) based on the submitted copies of master's thesis, its summary, and Research Plan.

(ii) Applicants who are foreign students will take an examination same as the General Examination.

(iii) Applications who apply as Working-Adults will take a presentation (15mins) and an oral assessment (15mins) regarding the related specialized area based on the submitted Research achievements and Research Plan.

(2) Examination Date and Venue

◆ For applicants **residing in Japan**

Examination	Date	Time & Venue
Interview	Saturday, July 4th 2020	The detailed schedule shall be informed one week prior to the examination.

* [Examination will be held via Online using the Zoom Application.](#)

◆ For applicants **residing abroad**

Applicants residing overseas can sit for the entrance examination without visiting Japan.

The condition is that the place of residence at the date of the examination is a country other than Japan.

The examination process proceed on the basis of the conditions mentioned below:

(1)	The interview takes place via Zoom Application. SIT uses Zoom application to conduct the video call. There is no need to set up an account for the Zoom Application, but applicants may need to install the application at your PC.
(2)	<u>Applicants have to be aware of the procedure practiced for the internet connection and are responsible for preparing device (PC, web camera, microphone).</u> No matter what the reason including technical problem with wireless connection or device, the examination result is not considered by the issue.
(3)	Interview will take place on <u>July 4th, 2020</u> . The detailed schedule shall be informed one week prior to the examination date.
(4)	At the online interview, applicants are required to provide an ID certificate (e.g. passport) to be identified by the admission staff. <u>Only ID certificate written in English and with a face photo can be acceptable</u>
(5)	The candidates will be rejected at any stage, if he/she is determined to have made a false on admission procedures.

(3) Notification of Acceptance

The qualified applicants' list by Examination ID numbers will be disclosed on the Notice Board and the Online

Admission System (TAO) at 1:00PM (JST) July 16, 2020

<http://www.shibaura->

[it.ac.jp/en/prospective/postgraduate_prog/examination_result_notification.html](http://www.shibaura-it.ac.jp/en/prospective/postgraduate_prog/examination_result_notification.html)

* Notification will be sent out to successful applicants at the same day.

(For domestic students: by postal mail, for overseas students: through TAO)

For your information, we will not respond to any inquiry on this matter by a phone call.

* Details about the admission procedure will be informed to the successful applicants by postal mail.

(If you change your address after passing the exam, or if you leave Japan due to temporary return or long-term study abroad, please contact the Graduate School Section promptly.)

7. Tuition Fee

The amount of tuition fee and other payments are shown in the table below.

Items	First Year			Second, Third Year		
	Enrollment Fee ※Note	Second Semester	Total	First Semester	Second Semester	Total
Admission Fee	(260,000)		(260,000)			
Tuition	328,900	328,900	657,800	328,900	328,900	657,800
Maintenance fee	92,000	92,000	184,000	92,000	92,000	184,000
Total	420,900 (680,900)	420,900	841,800 (1,101,800)	420,900	420,900	841,800

- The admission fee will be waived for SIT graduates. The price of inside () is applicable to other than SIT graduates.
- **Note : Please note that the enrollment fee has to be paid by August 31, 2020.**

8. Withdrawal from Admission

It is assumed that all qualified applicants who pass the examination will enroll. However, if a qualified applicant has to withdraw from admission due to unavoidable circumstances, he or she should submit a withdrawal form by the end of September, 2020. In this case, payments except for the admission fee can be refunded. The withdrawal form can be obtained by contacting the Graduate School Section (see below for contact details).

9. Notes

- (1) Once the application form has been accepted, no further changes are allowed. Changing your desired major and supervisor which you filled in the application is also not permitted. If you withdraw your application after acceptance, the application fee shall not be refunded and submitted forms shall not be returned.
- (2) When coming to your entrance examination, please allow time for unexpected delays such as traffic accidents and congestion.

10. Scholarship

(1) SIT Scholarship for Doctor's Program

Scholarship stipend: Tuition will be waived for the applicants who are the students in master's course of SIT and apply to enroll in Doctor's Program at SIT.

Duration: 1 year (Maximum 3 years by taking the continuous deliberation every year)

Eligibility: Only second year students in Master's course of SIT

Number of Awards: A few

Application Period: Same as the application period for admission.

Application method: Apply online through the online admission system (TAO).

*The scholarship application guideline are available at the same URL of this Application Guideline for Doctor's Program.

(2) SIT Scholarship for foreign graduate student

Scholarship stipend: (1) Fees for matriculation and full tuition will be waived.

(2) As living expenses, 142,000 JPY per month will be provided.

Duration: 1 year (Maximum 3 years by taking the continuous deliberation every year)

Eligibility: Overseas applicants who apply to enroll in the doctor's program at SIT, with outstanding academic records. Applicants must acquire "College Student" visas as their resident status or be expected to be "College Student" status after arriving in Japan. Please note that those who change their visa status to one other than College Student after arrival in Japan will lose their qualification to be SIT scholarship recipients from the date their visa status changes.

Number of Awards: A few

Application Period: Same as the application period for admission.

Application Method: Apply online through the TAO.

*The scholarship application guideline are available at the same URL of this Application Guideline for Doctor's Program.

III. List of Academic Staffs

Doctor's Program in English, Graduate School of Engineering and Science, Academic Year 2020 (Fall)

*If your supervisor is marked with ⊙, your supervisor needs to appoint additional supervisor as sub supervisor.

< Regional Environment Systems >

Field	Research Guidance Subject	Teacher	Remarks
Regional Environment Planning	Advanced Research Program on Regional Environmental Design (Research Guidance)	Nakamura Hitoshi Inazumi Shinya Shinozaki Michihiko Murakami Kimiya Iwakura Seiji Nishimura Naoya Shimura Hideaki Minami Kazunobu Kanisawa Hirotake Akimoto Takashi Nakaguchi Takahiro Kuwata Hitoshi Kabayama Kenji Matsushita Kiwa Taniguchi Taizo Maeda Hidetoshi Namikawa Tsutomu Gota Osami Shimizu Ikuro Sawada Hideyuki Yamashiro Satoru Harada Masahiro Nishizawa Taira Kurishima Hideaki Miyamoto Hitoshi Nakagawa Masafumi Sato Hirotsuke Sakuyama Yasushi Shide Kazuya Masuda Yukihiro Suzuki Shunji Iwata Tomoko Hirabayashi Yukiko	⊙
Environmental Materials Engineering	Advanced Research Program on Eco-materials Engineering (Research Guidance)	Takasaki Akito Masadome Takashi Nakamura Asao Imabayashi Shinichiro Noda Kazuhiko Naga Naofumi Yamashita Mitsuo Kitagawa Osamu Matsumura Kazunari Kariya Yoshiharu Nomura Mikihiko Koga Junko Arai Tsuyoshi Kidowaki Masatoshi	⊙ ⊙

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Doctor's Program in English, Graduate School of Engineering and Science, Academic Year 2020 (Fall)

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Field	Research Guidance Subject	Teacher	Remarks
Environmental Materials Engineering	Advanced Research Program on Eco-materials Engineering (Research Guidance)	Kiyono Hajime Tajima Toshiki Hatano Akihiko Konishi Toshifumi Sakaue Kenichi Hashimura Shinji Utsunomiya Takao Miryala Muralidhar Yamamoto Ayako Hori Akiko Hamasaki Hitoshi Sakai Naomichi Ikegami Daisuke Michael Rudolf, Koblischka Anjela Dimitrova Koblischka-Veneva Paolo Mele Rzeznicka Izabela Irena	©
Energy and Environmental Engineering	Advanced Research Program on Environmental Energy Engineering (Research Guidance)	Irikura Takashi Nishikawa Hiroyuki Yahagi Yuji Yamada Jun Tsunoda Kazumi Tanaka Kotaro Fujita Goro Ono Naoki Kimijima Shinji Saito Hiroyasu Tange Manabu Suwa Yoshihide Ishii Yasuyuki Rajagopalan Uma maheswari Shirai Katsuaki	© ©
Environmental Disaster Prevention Research	Advanced Research Program on Urban Engineering for Disaster Mitigation (Research Guidance)	Katsuki Futoshi Kumazawa Fumitoshi Konno Katsuaki Anami Kengo Kishida Shinji Iyoda Takeshi Henry Michael Ozawa Yuki Ishikawa Yuji	
Tip Management Engineering	Advanced Research Program on Management of Technology (Research Guidance)	Tanaka Hideho Hirata Sadayo	

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Field	Research Guidance Subject	Teacher	Remarks
Life Function Control Engineering	Advanced Research Program on Bio-function Control (Research Guidance)	Yoshimi Yasuo Hamasaki Keita Hanafusa Akihiko Yamamoto Sota Osakabe Naomi Fukui Koji Fuse Hiroyuki Suhara Yoshitomo Satou Hiroki Watanabe Nobuo Kanoh Shinichiro Yoshimura Kenjiro Futai Nobuyuki Yatabe Kiyomi Yazima ichiro Akagi Ryota Hirota Yoshihisa	©