

# 2021 Guide to the Doctoral Program Entrance Examination

## Department of Architecture, Graduate School of Engineering, The University of Tokyo

### 1. Eligibility

Applicants must meet the requirements for eligibility in the Guidelines for Applicants to the 2021 Doctoral Program of Graduate School of Engineering, The University of Tokyo. There are no restrictions regarding past fields of specialization or when qualifications were attained. In addition, applicants who have been conferred a degree equivalent to a master's degree from a foreign university must be enrolled as a research student for at least six months before admission to the doctoral program as a general rule.

The entrance examination for the doctoral program is conducted only once a year.

### 2. Prospective Supervisors and Research Divisions

Graduate students pursue their research activity under the guidance of their academic supervisors. Therefore, applicants are required to select up to two prospective academic supervisors from the supervisors list on pages 5 & 6 and write their names and their research divisions in the Prospective academic supervisors declaration form (attachment No. 1).

There are six Research Divisions in the Department of Architecture: Design, Planning, History, System & Construction, Environment, Structure & Material. All academic supervisors belong to one of those research divisions as shown in the list on pages 5 & 6.

### 3. Application Documents

Applicants must prepare and submit the following documents in addition to the submission requirements outlined in the Guidelines for Applicants to the 2021 Doctoral Program for Graduate School of Engineering, The University of Tokyo. Details of how to submit the additional documents will be announced at the Department of Architecture's website. The website link is <https://arch.t.u-tokyo.ac.jp/>.

The acceptance period for each document is as follows.

- (1) Prospective academic supervisors declaration form and letters of recommendation  
From July 1 to July 8, 2020.
- (2) Research plan and portfolio (if applicable)  
From July 1 to July 31, 2020.

Document	Applicant	Notes
Prospective academic supervisors declaration form	All applicants	Use an Attachment No. 1.
Letters of recommendation	Relevant applicants	Applicants, who have completed or are expected to complete a master's degree from a university (except from the Graduate School of Engineering at the University of Tokyo), must submit two letters of recommendation with the following requirements; no more than one A4 sheet, at least one of them must be provided by applicants' graduate school faculty. There is no specific format for the letter.
Research plan summary	Relevant applicants	Applicants, who have completed or are expected to complete a master's degree from the Graduate School of Engineering at the University of Tokyo, must prepare this document using Research Plan Summary (attachment No. 2).
Research plan	Relevant applicants	Applicants, who have completed or are expected to complete a master's degree from a university (except from the Graduate School of Engineering at the University of Tokyo), must use the following attachments corresponding to research divisions of prospective academic supervisors. If you select multiple prospective academic supervisors from the same research division, you are required to prepare and submit a research plan only for the prospective academic supervisor of your first choice. If you select prospective academic supervisors from two different research divisions, you must prepare and submit research plan for each prospective academic supervisor. For example, if prospective academic supervisor from Design is selected as first choice and Planning as second, then you must prepare two separate research

		<p>plans for each prospective academic supervisor.</p> <p>a) Design: Attachment No. 3A  b) Planning: Attachment No. 3B  c) History: Attachment No. 3C  d) System &amp; Construction: Attachment No. 3D  e) Environment: Attachment No. 3E  f) Structure &amp; Material: Attachment No. 3F  * Attachment No. 3A - 3F will be available from the Department of Architecture's website, <a href="https://arch.t.u-tokyo.ac.jp/">https://arch.t.u-tokyo.ac.jp/</a>, on May 29, 2020.</p>
Portfolio	Relevant applicants	<p>Portfolio submission is required for applicants who meet the following conditions:</p> <p>1) Applicants' choices for prospective academic supervisors belong to either Design or Planning.  2) Applicants have not completed or are not expected to complete a master's degree from the Graduate School of Engineering, the University of Tokyo.</p> <p>If you select prospective academic supervisors from both Design and Planning research divisions, you are required to create two sets of portfolios for each prospective academic supervisor. Portfolio must be created following the instruction described in Attachment 3A or 3B. In this case, some contents included in both portfolios may allowed to be overlapped.</p>

#### 4. Enrollment Capacity and Admission Period

The enrollment capacity for the 2021 doctoral program of the department of architecture is 16. The number of students admitted to each professor is regulated in order to create a balanced research environment within the department. Successful applicants will start attending from April 2021. However, successful applicants who have graduated or are expected to graduate from a master's degree program by September 2020 may choose to start attending from September 2020.

#### 5. Selection Methods

- (1) Selection of students for admission will be based on the first examination and the second examination described below.
- (2) The oral examination will be conducted only for those who have passed the document screening during the first examination. Applicants, who have passed the document screening, will be announced on the website of the Department of Architecture, <https://arch.t.u-tokyo.ac.jp/>, by noon on Wednesday, August 19, 2020.
- (3) English proficiency will be assessed from the document screening and the oral examination during the first examination. Although it is not mandatory, applicants are allowed to submit scores of English proficiency test, such as TOEFL, IELTS or TOEIC. Applicants, who submit scores of English proficiency test, may be exempt from English proficiency assessment during the oral examination.

##### 1) First Examination

###### (A) Document Screening

The document screening will be conducted based on the following submitted documents: academic transcripts of bachelor's and master's degree from applicants' previous university, research plans, portfolios and letters of recommendation. For those who have completed or are expected to complete a master's degree from the Graduate School of Engineering at the University of Tokyo, the document screening will be waived. Please noted that portfolios are required only for those who select a prospective academic supervisor whose research division is Design or Planning.

###### (B) Oral Examination

- (a) For applicants who have completed or are expected to complete a master's program of the Graduate School of Engineering, the University of Tokyo  
Applicants will be asked to answer questions concerning submitted Research plan summary.  
Applicants are exempt from English proficiency assessment.
- (b) For applicant who do not meet the condition described as (a)  
Applicants will be asked to answer questions concerning applicants' architectural knowledge, submitted research plan and portfolio. Please noted that portfolios are required for only those who select a prospective academic supervisor whose research area is Design or Planning.

## 2) Second Examination

Applicants will make a presentation of their master's thesis. If master's thesis is not available, research papers, academic projects, or scholarly work may be substituted.

If the applicant's master's thesis is written in Japanese or English, the applicants are required to submit three copies of their master's thesis.

If the master's thesis is written in any other languages, applicants are required to submit one copy of their master's thesis in its original language together with three copies of the summary of their thesis in Japanese or English by the submission deadline indicated in the following section of this guide. The length of the summary is approximately 30 pages at 400 words per page written in A4 format. Details of submission process will be announced on the Department of Architecture's website, <https://arch.t.u-tokyo.ac.jp/>.

In addition, applicants who continue from the master's program of this department and enter the doctoral program must follow the submission guideline of this department.

## 6. Examination Schedule

### 1) First Examination

The oral examination will be held between Monday, August 24, 2020 to Friday, August 28, 2020 at the Faculty of Engineering Building No. 1 and No. 11 of the University of Tokyo. Further details of the examination date, time and location will be announced on the website of the Department of Architecture by noon on Wednesday, August 19, 2020. In light of the uncertainty surrounding the development of the CoVID-19 coronavirus pandemic, the oral examination might be conducted online. Further information about the method of oral examination will be announced on the website of the Department of Architecture, <https://arch.t.u-tokyo.ac.jp/>, approximately one month before the examination date.

### 2) Second Examination

Subject	Prospective applicant	Date & time	Location	Important note
Presentation of applicants' master's thesis *1	All applicants wishing to enroll from April 2021	Monday, January 25, 2021 Tuesday, January 26, 2021 (Tentative)	Lecture room 11 and 12 in Engineering Building 1 *3	Additional information of the presentation and interview process will be posted in front of the department office or announced on the website of this department. Three copies of applicant's master's thesis, or research papers as a substitute for their master's thesis, must be submitted no later than 4 pm, Monday, January 18, 2021. Details of submission process will be announced on the Department of Architecture's website, <a href="https://arch.t.u-tokyo.ac.jp/">https://arch.t.u-tokyo.ac.jp/</a> .
	Applicants who wish to enroll from September 2020 and expect to complete their master's degree course of this department in September 2020 *2	Monday, August 3, 2020 Tuesday, August 4, 2020	Lecture room 15 in Engineering Building 1 *3	Additional information of the presentation and interview process will be posted in front of the department office or announced on the website of this department. Three copies of applicant's master's thesis, or research papers as a substitute for their master's thesis, must be submitted no later than 4 pm, Monday, July 27, 2021. Details of submission process will be announced on the Department of Architecture's website, <a href="https://arch.t.u-tokyo.ac.jp/">https://arch.t.u-tokyo.ac.jp/</a> .
	Applicants who wish to enroll from September 2020 and do not meet the condition described above *2	Thursday, August 27, 2020 Friday, August 28, 2020	Lecture room 15 in Engineering Building 1 *3	

\*1 Applicant, who have not completed or are not expected to complete the master's degree from the Department of Architecture, Graduate School of Engineering at the University of Tokyo, are required to provide approximately 20 copies of their master's thesis summary which will be made available to the attendees at the presentation. The summary must be written in either Japanese or in English with no limit to the number of pages.

- \*2 The applicants must have obtained or are expected to obtain a master's degree by September 2020.
- \*3 Due to the situation of CoVID-19 coronavirus, presentation might be conducted online. In the case of conducting the presentation online, information will be posted on the website of this department about one month before the examination.

## **7. Additional important information**

- (1) Applicants are expected to carefully read the Notice for Examination ~The 2021 Master's / Doctoral Program, Graduate School of Engineering, the University of Tokyo~ announced on the website of the Department of Architecture, <https://arch.t.u-tokyo.ac.jp/>.
- (2) All applicants are subject to an identity verification using the photograph on their admission card before or during the examination. Failure to verify your identity may result in disqualification.
- (3) The examination fees will not be refunded even if applicants do not proceed to the oral examination due to failing the document screening.
- (4) Due to the possibility of conducting the oral examination online, all applicants are required to provide the followings: a quiet environment such as a quiet private room, a good internet connection such as a high-speed network landline, a personal computer with a web camera and microphone, and a smartphone (4G) for emergency contact before the oral examination and the second examination.
- (5) The information in this guide is subject to change due to the situation of the CoVID-19 coronavirus pandemic. Any changes will be announced on the Department of Architecture's website, <https://arch.t.u-tokyo.ac.jp/>.
- (6) All applicants are advised to frequently check the Department of Architecture's website, <https://arch.t.u-tokyo.ac.jp/> for updates and other related information.

# For Doctoral Program

## List of academic supervisors and their research fields at the Department of Architecture

(Faculty member's names are in Japanese syllabary order)

Faculty member's name	Affiliation *	Research division	Research field
Professor Yasunori AKASHI	A	Environment	Building Energy System, Thermal Environment, Operation and Management, Commissioning
Associate professor Tatsuya ITOI	A	Structure & Material	Resilience engineering, risk-informed and performance-based design, earthquake engineering
Professor Kotaro IMAI	IIS	Planning	Architectural Planning and Design, Urban Analysis
Associate professor Jun IYAMA	A	Structure & Material	Steel Structure, Corrosion Mechanics, Seismic Wave Analysis, Fail-safe structural system
Associate professor Satoshi UNNO	A	History	Japanese architectural history, Conservation of cultural properties
Professor Ryozo OOKA	IIS	Environment	Building and urban environmental engineering, Sustainable engineering
Professor Toshio OTSUKI	A	Planning	Architectural Planning, Residential Area Planning, Housing Studies, Housing Policy, Disaster Recovery Design
Associate professor Yusuke OBUCHI **	A	Design	Digital Fabrication, Design Thinking, Urban Ecology, Communication and Media
Professor Koichi KATO	A	History	History of Western Architecture
Professor Kenichi KAWAGUCHI	IIS	Structure & Material	Spatial Structure Engineering, Structural Engineering
Associate professor Yoshiyuki KAWAZOE	IIS	Design	Architectural Design, Theory of Scenery
Associate professor Hideki KIKUMOTO	IIS	Environment	Urban & Building Environment, Environmental Control Engineering
Professor Koichi KUSUNOKI	ERI	Structure & Material	Earthquake Engineering, Structural Health Monitoring, Reinforced Concrete Structure
Professor Mikio KOSHIHARA	IIS	System & Construction	Wood Engineering, Building Construction
Project associate professor Tomoyuki GONDO	A	System & Construction	Building System, Construction Management
Professor Shinichi SAKAMOTO	IIS	Environment	Applied Acoustic Engineering (Architectural Acoustics and Noise Control)
Professor Tetsuya SAKUMA	A	Environment	Sound Environment, Architectural Acoustics, Noise Control, Living Environment

Faculty member's name	Affiliation *	Research division	Research field
Professor Hitoshi SHIOHARA	A	Structure & Material	Earthquake Engineering, Reinforced Concrete Structure
Associate professor Seitaro TAJIRI	A	Structure & Material	Earthquake engineering, Reinforced concrete structure
Associate professor Tomohiro TACHI	C	Structure & Material	Structural Engineering, Computational Design
Professor Manabu CHIBA	A	Design	Architecture and Urban Design
Professor Yoshiaki NAKANO	IIS	Structure & Material	Reinforced Concrete and Masonry Buildings, Seismic Capacity Evaluation and Retrofit, Tsunami-Resistant Buildings/Facilities, Urban Disaster Mitigation
Professor Takafumi NOGUCHI	A	Structure & Material	Building materials, Resource recycling, Carbon neutral, Durability design, Maintenance, Fire prevention
Associate professor Kengo HAYASHI	IIS	History	Asian Architectural and Urban History, Urban Sustainability Studies
Professor Kaori FUJITA	A	System & Construction	Timber Structure, Traditional Building Construction
Associate professor Kentaro HONMA	IIS	Planning	Architectural Planning and Design, Mathematical Engineering of Spatial Design
Associate professor Yudai HONMA	IIS	Planning	Architecture and Urban Planning, Social System, Mathematical Optimization
Associate professor Masayuki MAE	A	Environment	Environmental Control Engineering, Energy System
Associate professor Yuji MATSUDA	A	Planning	Architectural Planning and Design, Medical and Welfare Facilities' Planning, Universal Design
Professor Ipppei MARUYAMA	A	Structure & Material	Building material engineering, Materials for extreme conditions, Aging management of concrete structures, preservation of historical buildings
Professor Toru MITANI	A	Design	Landscape design, Spatial morphology
Professor Tomonari YASHIRO	IIS	System & Construction	Management of Project, Sustainable Construction
Associate professor Motoki YASUHARA	A	Design	Architectural Design
Professor Satoshi YAMADA	A	Structure & Material	Steel Structure, Earthquake Engineering, Base Isolated Structure, Passive Control Structure
Professor Yurika YOKOYAMA	C	Planning	Architectural Planning Research, Human-environment Studies, Design Studies

\* A: The Department of Architecture, Graduate School of Engineering  
ERI: Earthquake Research Institute  
IIS: Institute of Industrial Science  
C: Graduate School of Arts and Science

Hongo Campus  
Yayoi Campus  
Komaba II Campus  
Komaba I Campus

\*\* Only for Architecture and Urban Design Course (G30-UDA) students.

(博士後期課程入学志願者用)  
(For doctoral course applicant)

別紙 1 / Attachment No. 1

**希望指導教員申告書**  
Prospective academic supervisors declaration form

受験番号 \*1  
Exam ID \*1

\*1 は記載しないこと / \*1 Do not fill in

受験者氏名  
Examinee Name

電子メールアドレス  
E-mail Address

緊急連絡先  
Emergency Contact

研究の指導を希望する教員を「令和 3(2021)年度東京大学大学院工学系研究科建築学専攻博士後期課程入学志願者案内」4 頁の表から最大で 2 名選択し、以下の欄に教員名及び系を記入すること。

Applicants must select up to two prospective academic supervisors from the table on pages 5 and 6 of "2021 Guide to the Doctoral Program Entrance Examination Department of Architecture, Graduate School of Engineering, The University of Tokyo" and write their names and research divisions in the following table.

	第一希望 First choice	第二希望 Second choice
教員名 Academic supervisor's name		
系 Research division		

**研究計画概要書**  
Research Plan Summary

受験番号 \*1

Exam ID \*1

\*1 は記載しないこと / \*1 Do not fill in

受験者氏名

Examinee Name

口述試験の参考となるので、現在行っている研究及び将来の研究について具体的に記述すること。ワープロ等で作成（A4 サイズ・片面 1 枚）し、添付可。

State the content of your current research and the future research detail for the interview. You may attach a typed statement on this sheet (ONE A4 size sheet, single sided printing).