

FY 2021 “Call for Applications: Fellowship for Creation of Intelligent World  
International Graduate Program of Innovation for Intelligent World”

for the PhD Candidate course students “

(Recruitment Briefing: Friday, April 2, 17:00 - Held online

Please cf. <https://www.iw.i.u-tokyo.ac.jp> for details.)

1. Aim of the Program: With the advancement of the ICT industry which has become a major industry in the society, there are many trends within each industry segment to revolutionize their schemes using ICT technologies. In Japan there is a scheme called Society 5.0 which aims to implement an inclusive society making use of the value created by ICT technology which would take advantage of the activeness created by diversity. In order to achieve this goal, it is necessary nurture personnel who can realize a new academic area/ application area which tries to fuse various diverse research fields with ICT Technologies and can create new value based on the application of this newly created research field. The ultimate goal of this program is to educate PhD students who can grow up to be such researchers and revolutionize the academic and the industrial world.

## Abilities Needed for New People Who Can Create Society5.0



3/21

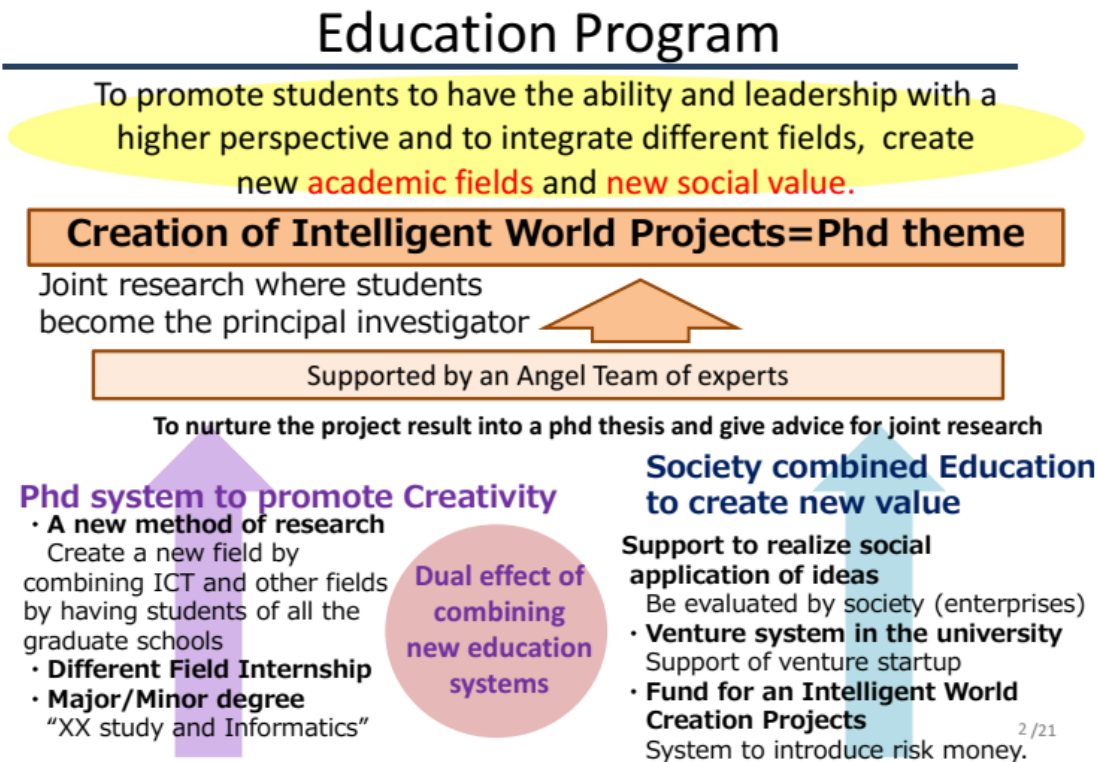
## 2. Requirements for Application

The PhD Course students who aim to participate in the program must fulfill all conditions below.

- Applicants must be PhD course students who proceeded to the PhD Course of the University of Tokyo in September/October 2020 or April 2021.

- Applicants must understand adequately the general concept and rules (e.g. requirements in the curriculum) of the program.
- Applicants must be interested in cutting-edge ICT and its application to society in a broad sense or in the creation of a new research field fusing various academia fields with ICT technology.
- Applicants must understand that the completion of the program will be additionally stated in the certificate of PhD degree.

Note that a student cannot belong to more than one fellowship program, leading graduate program or Innovative Education Program.



### 3. Summary and quorum of each year (see Figure 2)

The students should first of all master basic skills through training camps and internship in a foreign application field to gain experience. The internship should be at least three months long and can be conducted in firms outside the university, medical institutes, research institutes, or university in foreign countries. Those students who aspire to do a research of fusing various application fields with ICT technologies can conduct an internship within the university of Tokyo but outside of their main research fields. The students must submit an internship plan and get approval. During the course, the students will be supplied with the subsidy of 180,000 Yen per month.

In their PhD courses the students are expected to take the original class subjects and conduct research on Program of Innovation for an Intelligent World. They will compile their research fruits as a PhD thesis for the Program of Innovation for an Intelligent World. The result will be examined by a special examination

committee and if the result is satisfactory, a certification of completion of the course will be given.

#### 4. Selection and employment period

Selection of course students is based on the prescribed application documents.

- Number of students: a certain number as the condition allows. A balance among the various departments might be considered.
- Documents to submit: (1) Application Form and (2) Application Sheet. (3) Elevator pitch: A one-minute self-promotional video (talk to the camera without slides) including research plan, etc., in mp4 format with student ID number and name as file name, uploaded to the following URL
- <https://www.dropbox.com/request/da0iAiu11AvFxZiQWwVK>
- Period for submission: From 10:00, April 5<sup>th</sup> (Mon), 2021 to 15:00, April 16<sup>th</sup> (Fri). 2021.
- Place to be submitted: Application Form and Application Sheet should be submitted to GCL/IIW program office via e-mail. (The e-mail address is shown in the last.) The office will send an e-mail at receipt of each application. If you do not get email within 24 hours from your application, ask the office.
- Period of employment: From Apr. 1, 2021 to Mar. 31, 2024 (for students who enrolled in the PhD program in September/October 2020, employment period will be until 30<sup>th</sup> September 2023).
- The result of the selection: The result of the selection will be announced on IIW web site. Planned on April 30<sup>th</sup>, 2021.
- The prescribed format and the most recent schedule are available at the IIW program homepage (URL is listed in the last).

#### 5. Characteristics of the course and requirements for program completion

In order to complete the course the students must satisfy the following requirements

- Gain 6 credits of the selective subjects.
- The selective subjects of the course consist of Information Science Lecture I-XX, Intelligent World Lecture I-XX, Information Science Exercise I-X, Intelligent World Exercise I-X and are mapped to various curriculum courses. Note that students in the Graduate School of Information Science and Technology will not be granted credits for Information Science Lecture and Exercises.
- Participate in various camps and other activities.
- Conduct an internship.
- Conduct research on Innovation for an Intelligent World Society Projects and pass the qualification.

Students who belong to schools other than the Graduate School of Information Science and Technology and GSII and who have received 8 credits of Information Science Lectures/ Exercises will also be awarded

a minor degree of Information Science.

6. Contact information for the program

- GCL/IIW program office : Room #621, Eng. Bldg. 8, 7-3-1, Hongo, Bunkyo-ku, Tokyo, JAPAN  
113-8656  
Tel : 03-5841-8746  
E-mail: [gcl\\_gakumu@gcl.i.u-tokyo.ac.jp](mailto:gcl_gakumu@gcl.i.u-tokyo.ac.jp)
- International Graduate Program of Innovation for an Intelligent World. homepage :  
<http://www.iiw.i.u-tokyo.ac.jp>

7 Program appointees

Name	Affiliation etc.
Reiji Suda	Department of Computer Science, Graduate School of Information Science and Technology, Professor
Masami Hagiya	Department of Computer Science, Graduate School of Information Science and Technology, Professor
Yoshimasa Tsuruoka	Department of Information & Communication Engineering, Graduate School of Information Science and Technology, Professor
Toshiyuki Nakata	Social ICT Research Center, Graduate School of Information Science and Technology, Project Professor
Hiroshi Esaki	Department of Creative Informatics, Graduate School of Information Science and Technology, Professor
Makoto Naruse	Department of Information Physics & Computing, Graduate School of Information Science and Technology, Professor
Kunihiko Sadakane	Department of Mathematical Informatics, Graduate School of Information Science and Technology, Professor
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Masayuki Inaba	Department of Creative Informatics, Graduate School of Information Science and Technology, Professor
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Kazutoshi Kudo	Department of Interdisciplinary Information Studies, Graduate School of Interdisciplinary Information Studies, Associate Professor

Hitoshi Aida	Department of Electrical Engineering and Information Systems, Graduate School of Engineering, Professor
Yoshihiro Kawahara	Department of Electrical Engineering and Information Systems, Graduate School of Engineering, Professor
Yukio Ohsawa	Department of Systems Innovation, Graduate School of Engineering, Professor
Kiyoshi Izumi	Department of Systems Innovation, Graduate School of Engineering, Professor
Fujio Toriumi	Department of Systems Innovation, Graduate School of Engineering, Associate Professor
Yutaka Matsuo	Department of Physics, Graduate School of Science, Professor
Kenji Fukushima	Department of Physics, Graduate School of Science, Professor
Hiroyuki Shinoda	Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, Professor
Haruhiko Shimoyama	Graduate School of Education, Professor
Shigeki Aida	Graduate School of Mathematical Sciences, Professor
Kyoko Haga	Center for Evolving Humanities, Graduate School of Humanities and Society, Associate Professor
Takeshi Imai	Department of Social Medicine, Medical Science Graduate Program, Associate Professor
Hiroshi Oyama	School of Public Health, Professor
Masanobu Uchiyama	Graduate School of Pharmaceutical Sciences, Professor
Daiju Kitagawa	Graduate School of Pharmaceutical Sciences, Professor
Yasuhiro Omori	Graduate School of Economics, Professor
Daiji Kawaguchi	Graduate School of Public Policy, Professor
Dai Yanagihara	Graduate School of Arts and Sciences, Professor
Yasushi Yamaguchi	Graduate School of Arts and Sciences, Professor
Masaru Mizoguchi	Department of Global Agricultural Sciences, Graduate School of Agriculture, Professor
Hidefusa Iida	Graduate Schools for Law and Politics, Associate Professor