

# 芝浦工業大学 研究活動実績データ

2022年度版

## Record of Research Data 2022 Shibaura Institute of Technology

芝浦工業大学 複合領域産学官民連携推進本部は、産学官民連携活動ならびに当該活動を通じた実践的人材育成を目指し、教員と学生の研究活動を推進します。

The Headquarters for Promotion of Multi-Phase Industry-Academia Collaboration of the Shibaura Institute of Technology encourages research activities of the faculty and the students by promoting multi-phase industry-academia collaboration activities and by nurturing practical human resources through these activities.

2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022

## SIT's coordinators help to connect your needs with our research activities



## Flow from initial consultation to collaborative research and use of outcome



**Initial consultation**

- Experienced coordinators take your company's needs into consideration and introduce you our researchers. Feel free to contact us. Initial consultation is free.

**NDA / MTA**

- If exchanges of confidential information is necessary for consultation, a Non-disclosure agreement (NDA) is available.
- If you desire to use SIT's research materials, a material transfer agreement (MTA) is available.

**Joint research / Commissioned research agreement  
Technical advice agreement**

- In joint research, your company and our researchers tackle your technical needs together from an academic research aspect.
- In commissioned research, our researchers tackle your technical needs from an academic research aspect.
- Good communication enables to make each project's research purpose and content clear in each agreement.
- In principle, an agreement term begins in April and terminate in March.

**Acquiring grants**

- In some cases, it is possible to acquire a public grant for a company and university collaboration. We have a lot of experiences of acquiring such grants.

**Transferring technologies**

- We can license our IPs. Apply our technologies in your products.

**Publication of research result**

In principle, the research result will be presented at an academic conference and published as an thesis since giving back our research outcome to the society is one of our mission.

**Participation of students**

We urge SIT students to participate in a collaborative research, considering participation of students in a collaborative research one of the best education opportunities. The faculty instruct the students to keep the confidentiality.

**IPs**

Intellectual properties that are made as a result of a collaborative research will be managed by university as an organization. We aim to utilize the IPs.

Note: Collaborative research agreements cannot be made with an individual. A Certain research outcome is not promised in any agreements.

**Headquarters for Promotion of Multi-Phase Industry-Academia Collaboration  
Shibaura Institute of Technology  
3-7-5 Toyosu, Koto-ku, Tokyo 135-8548**

**Research and Development Office**

Research Planning Section: 03 5859 7180  
 Research Promotion Section: 03 5859 7160  
 Open Innovation Promotion Section: 03 5859 7170  
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# Number of Students and Number of Teaching staff

As of May 1st, 2023

## Number of Students

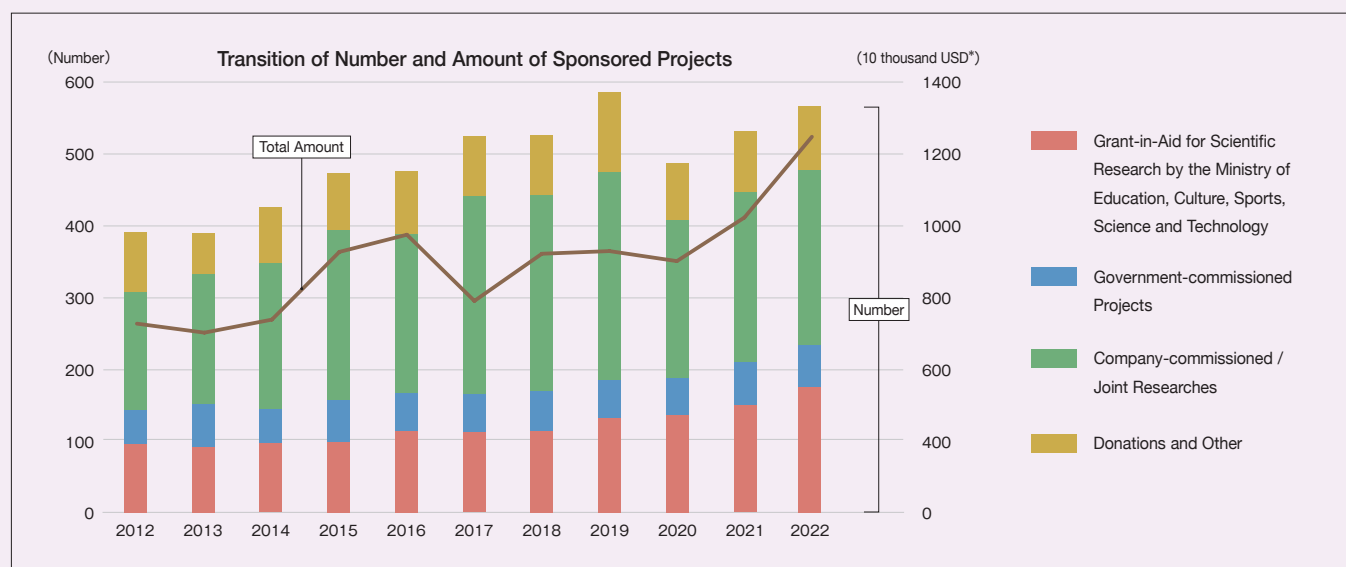
	Undergraduate	Number of Students	
College of Engineering	Department of Mechanical Engineering	490	
	Department of Engineering Science and Mechanics	487	
	Department of Materials Science and Engineering	429	
	Department of Applied Chemistry	436	
	Department of Electrical Engineering	427	
	Department of Electronic Engineering	449	
	Department of Information and Communications Engineering	463	
	Department of Computer Science and Engineering	459	
	Department of Civil Engineering	411	
	Innovative Global Program (IGP)	26	
	<b>Total</b>	<b>4,077</b>	
	College of Systems Engineering and Science	Department of Electronic Information Systems	473
		Department of Machinery and Control Systems	390
Department of Planning, Architecture and Environmental Systems		379	
Department of Bioscience and Engineering		458	
Department of Mathematical Sciences		315	
<b>Total</b>		<b>2,015</b>	
College of Engineering and Design	Department of Engineering and Design	674	
	<b>Total</b>	<b>674</b>	
School of Architecture	Department of Architecture	1,040	
	<b>Total</b>	<b>1,040</b>	
<b>Grand Total</b>		<b>7,806</b>	

	Postgraduate	Number of Students
Graduate School of Engineering and Science Master's Program	Electrical Engineering and Computer Science	392
	Materials Science and Engineering	97
	Applied Chemistry	86
	Mechanical Engineering	264
	Architecture and Civil Engineering	4
	Systems Engineering and Science	283
	Global Course of Engineering and Science	40
	Architecture and Architectural Engineering	344
	Civil Engineering	63
	<b>Total</b>	<b>1,573</b>
Graduate School of Engineering and Science Doctor's Program	Regional Environment Systems	42
	Functional Control Systems	46
	<b>Total</b>	<b>88</b>
<b>Grand Total</b>		<b>1,661</b>

## Number of Teaching Staff

	Professor	Associate professor	Lecturer	Assistant professor	Total
College of Engineering	122	39	0	5	166
College of Systems Engineering and Science	57	14	0	3	74
College of Engineering and Design	17	4	0	1	22
School of Architecture	29	7	2	1	39
Graduate School of Engineering and Science	0	1	0	0	1
Other (attached laboratories etc)	1	3	0	8	12
<b>Total</b>	<b>226</b>	<b>68</b>	<b>2</b>	<b>18</b>	<b>314</b>

# Research Activity Achievements

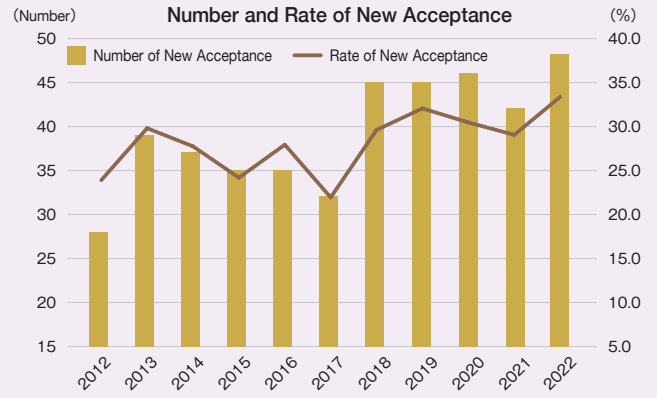
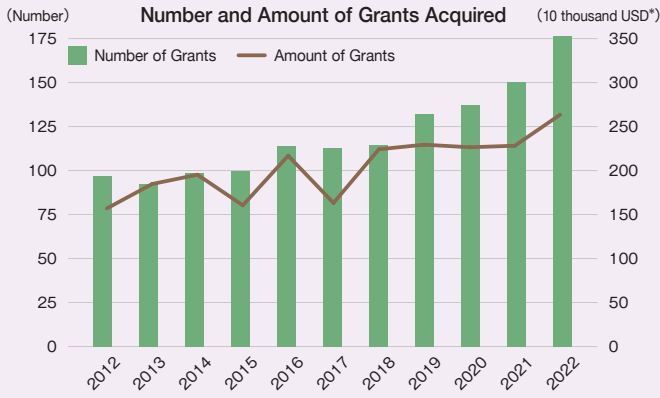


Number of Sponsored Projects	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Grant-in-Aid for Scientific Research by the Ministry of Education, Culture, Sports, Science and Technology	96	92	98	99	113	112	114	132	137	150	176
Government-commissioned Projects	47	59	47	58	52	54	56	54	51	61	58
Company-commissioned /Joint Researches	167	184	205	239	228	277	275	291	222	238	246
Donations and Other	83	57	78	81	86	84	83	112	80	85	89
<b>Total</b>	<b>393</b>	<b>392</b>	<b>428</b>	<b>477</b>	<b>479</b>	<b>527</b>	<b>528</b>	<b>589</b>	<b>490</b>	<b>534</b>	<b>569</b>

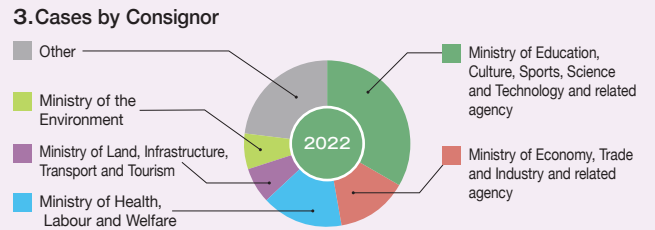
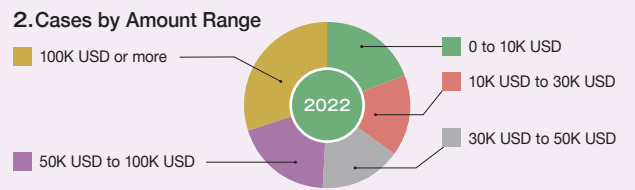
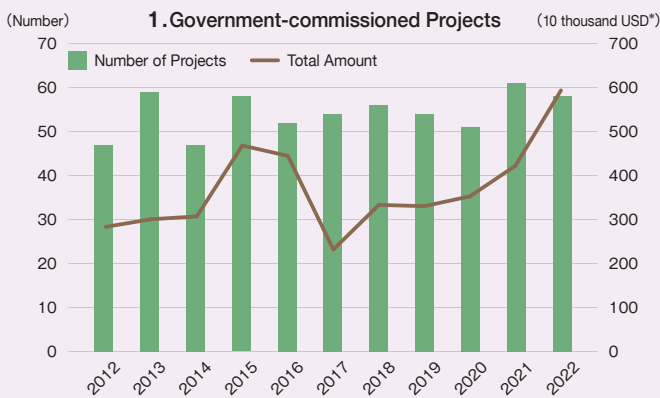
Amount (10 thousand USD)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Grant-in-Aid for Scientific Research by the Ministry of Education, Culture, Sports, Science and Technology	158.0	188.2	199.6	161.9	223.1	164.8	231.0	236.7	233.5	235.4	273.7
Government-commissioned Projects	288.1	305.1	311.5	470.2	447.1	237.3	337.2	334.4	356.4	425.0	593.7
Company-commissioned /Joint Researches	193.7	168.1	155.6	208.6	208.6	294.5	280.1	262.1	238.4	258.8	269.6
Donations and Other	90.3	45.0	73.9	78.4	85.3	93.3	65.8	88.0	66.4	90.3	85.0
<b>Total</b>	<b>730.1</b>	<b>706.4</b>	<b>740.7</b>	<b>919.0</b>	<b>964.2</b>	<b>789.9</b>	<b>914.1</b>	<b>921.1</b>	<b>894.7</b>	<b>1009.4</b>	<b>1222.0</b>

\*1USD=105JPY

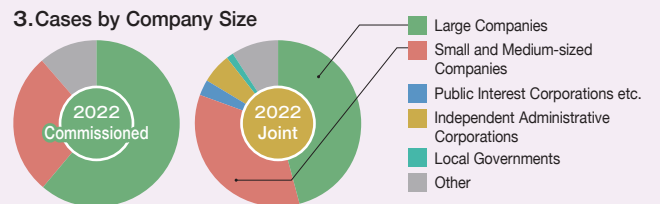
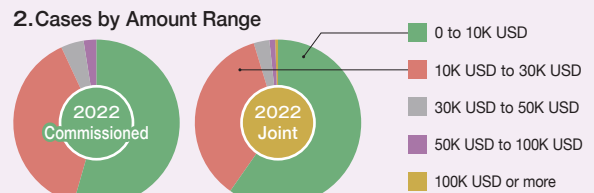
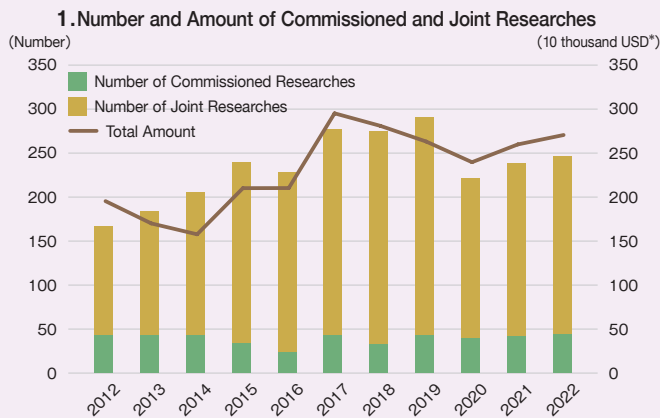
# 1 Grant-in-Aid for Scientific Research (KAKENHI) by the Ministry of Education, Culture, Sports, Science and Technology



## 2 Government-commissioned Projects



## 3 Company-commissioned / Joint Researches



## 4 Main sources of public research funds

Sources	
MEXT : Ministry of Education, Culture, Sports, Science and Technology-Japan	NIED : National Research Institute for Earth Science and Disaster Resilience
MIC : Ministry of Internal Affairs and Communications	ERCA : Environmental Restoration and Conservation Agency
MHLW : Ministry of Health, Labour and Welfare	AMED : Japan Agency for Medical Research and Development
MLIT : Ministry of Infrastructure, Transport and Tourism	Others
JST : Japan Science and Technology Agency	
NEDO : New Energy and Industrial Technology Development Organization	



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