

# International Collaboration

## Overseas Partner Universities

As of May 1, 2020

### Academic Cooperation Agreements [Institutional-level Agreements] (107 agreements)

Country or region	University / Institute	Concluded	Type of exchange
<b>Asia</b>			
China	Harbin Institute of Technology	1980	F · S · I
	Tsinghua University	1985	F · S · I
	Shanghai Jiao Tong University	1991	F · S · I
	Peking University	1991	F · S · I
	Xi'an Jiaotong University	1991	F · S · I
	Zhejiang University	1993	F · S · I
	Beijing Institute of Technology	1993	F · S · I
	University of Science and Technology of China	1997	F · S · I
	Dalian University of Technology	2006	F · S · I
	Tongji University	2007	F · S · I
	Tianjin University	2007	F · S · I
	The Hong Kong University of Science and Technology	2010	F · S · I
	Southeast University	2013	F · S · I
	Cambodia	Institute of Technology of Cambodia	2020
India	Indian Institute of Technology Madras	2015	F · S · I
Indonesia	Bandung Institute of Technology	1988	F · S · I
	University of Indonesia	1992	F · S · I
Korea	Gadjah Mada University	2000	F · S · I
	Korea Advanced Institute of Science and Technology (KAIST)	1986	F · S · I
	Korea Institute of Science and Technology (KIST)	1991	F · I
	Korea University	1992	F · S · I
	Hanyang University	1996	F · S · I
	Yonsei University	2002	F · S · I
	Pohang University of Science and Technology	2003	F · S · I
	Seoul National University	2007	F · S · I
	Sungkyunkwan University	2008	F · S · I
	Mongolia	Mongolian University of Science and Technology	2003
Philippines	National University of Mongolia	2007	F · S · I
	De La Salle University	1992	F · S · I
Singapore	University of the Philippines	1992	F · S · I
	National University of Singapore	1991	F · S · I
	Nanyang Technological University	2009	F · S · I
Taiwan	Singapore University of Technology and Design	2016	F · S · I
	National Cheng Kung University	1997	F · S · I
	National Tsing Hua University	1998	F · S · I
Thailand	National Taiwan University	1999	F · S · I
	National Chiao Tung University	2004	F · S · I
	National Central University	2007	F · S · I
	National Taiwan University of Science and Technology	2018	F · S · I
	Chulalongkorn University	1985	F · S · I
	Thammasat University	1996	F · S · I
	Kasetsart University	1996	F · S · I
	National Science and Technology Development Agency (NSTDA)	2001	F · S · I
	King Mongkut's Institute of Technology Ladkrabang	1992	F · S · I
	King Mongkut's University of Technology North Bangkok	2005	F · S · I
Vietnam	King Mongkut's University of Technology Thonburi	2007	F · S · I
	Asian Institute of Technology	2005	F · S · I
	TAIST- Tokyo Tech	2006	F · S · I
	United Nations Educational, Scientific and Cultural Organization (UNESCO Bangkok)	2015	F · S · I
	Hanoi University of Science and Technology	1995	F · S · I
	VNU University of Science	1995	F · S · I
Turkey	Ho Chi Minh City University of Technology	2012	F · S · I
	Middle East Technical University	1992	F · S · I
	Boğaziçi University	1998	F · S · I
Egypt	Istanbul Technical University	2012	F · S · I
	Egypt-Japan University of Science and Technology (E-JUST)	2015	F · S · I

Country or region	University / Institute	Concluded	Type of exchange
<b>Oceania</b>			
Australia	The University of Melbourne	1994	F · S · I
<b>North America</b>			
Canada	University of Waterloo	2006	F · S · I
	The University of British Columbia	2013	F · S · I
U.S.A.	University of Washington	1974	F · S · I
	University of Wisconsin-Madison College of Engineering	1992	F · S · I
	Georgia Institute of Technology	2001	F · S · I
	University of California, Berkeley	2012	F · S · I
	University of Minnesota	2013	F · S · I
	University of California, Santa Barbara	2014	F · S · I
	Rice University	2015	F · S · I
<b>Central and South America</b>			
Brazil	University of São Paulo	1991	F · S · I
<b>Europe</b>			
Austria	TU Wien	2015	F · S · I
Belgium	Ghent University	1992	F · S · I
Denmark	Technical University of Denmark	1992	F · S · I
Finland	Aalto University	1995	F · S · I
	Lappeenranta-Lahti University of Technology	1999	F · S · I
France	ParisTech**	2007	F · S · I
	École Nationale des Ponts et Chaussées (École des Ponts ParisTech)*	1992	F · S · I
	École Nationale Supérieure d'Arts et Métiers (Arts et Métiers ParisTech)*	2002	F · S · I
	École Nationale Supérieure des Mines de Paris (Mines ParisTech)*	2007	F · S · I
	École Polytechnique*	2019	F · S · I
	École d'Architecture de Paris la Villette	2000	S
	University of Rennes 1	2002	F · S · I
	University of Strasbourg	2004	F · S · I
	Grenoble Institute of Technology (Grenoble INP)	2019	F · S · I
	Technical University of Munich	1982	F · S · I
Germany	University of Stuttgart	1992	F · S · I
	Leibniz University Hannover	2004	F · S · I
	RWTH Aachen University	2007	F · S · I
	Technische Universität Berlin	2008	F · S · I
Italy	University of Bologna	1997	F · S · I
	Politecnico di Milano	2002	F · S · I
Netherlands	University of Trento	2017	F · S · I
	Delft University of Technology	2009	F · S · I
Norway	Norwegian University of Science and Technology	1993	F · S · I
Russia	National Research Nuclear University MEPhI	1993	F · S · I
	M.V.Lomonosov Moscow State University	2019	F · S · I
Sweden	KTH Royal Institute of Technology	1991	F · S · I
	Chalmers University of Technology	1992	F · S · I
	Linköping University	2008	F · S · I
	Uppsala University	2018	F · S · I
Switzerland	Swiss Federal Institute of Technology, Zurich (ETH Zurich)	1978	F · S · I
	École Polytechnique Fédérale de Lausanne (EPFL)	2011	F · S · I
	University of Zurich	2007	F · S · I
U.K.	University of Geneva	2015	F · S · I
	University of Strathclyde	1993	F · S · I
U.K.	Churhill College, Cambridge	2001	F · I
	Durham University	2010	F · S · I
	Imperial College London	2016	F · S · I
	University of York	2016	F · S · I
	Consortium	ASPIRE League	2010

[Type of Exchange] F: Faculty and researcher exchange, S: Student exchange  
I: Academic information exchange  
\* French "grandes écoles" (advanced higher education institutions)  
\*\* Institution created by the grandes écoles of science and technology in Paris. (7 institutions)

### Academic Cooperation Agreements [School-level Agreements] (128 agreements)

Country or region	University / Institute (School)	Tokyo Tech Counterpart									Concluded	Type of exchange
		Science	Engineering	Mat. and Chem. Tech.	Computing	Life Sci. and Tech.	Envir. and Society	ILA	IIR	Centers		
<b>Asia</b>												
China	University of Science and Technology, Beijing		○	○			○				1980	F · I
	Tsinghua University (Institute of Science, Technology and Society)						○	○			2001	F · I
	Beijing Normal University (College of Water Sciences)						○				2011	F · S · I
	Shanghai Jiao Tong University (School of Life Sciences and Biotechnology)					○					2011	S
	Nanjing University (Graduate School)		○	○			○				2012	F · S · I
	Tongji University (College of Civil Engineering)						○				2014	S · I
	Beihang University (School of Materials Science and Engineering, School of Electronic and Information Engineering, School of Automation Science and Electrical Engineering, School of Mechanical Engineering and Automation, School of Economics and Management, School of Transportation Science and Engineering, School of Physics and Nuclear Energy Engineering, School of Chemistry)		○	○			○				2014	F · S · I
	South China University of Technology (School of Architecture)						○				2016	F · S · I
	Wuhan University of Technology (State Key Laboratory of Advanced Technology for Materials Synthesis and Processing)			○							2016	F · S · I
	Wuhan University of Technology (School of International Education)		○	○			○				2017	S
	Southeast University (School of Architecture), and East China Architectural Design & Research Institute						○				2016	S · I
	Zhejiang University (The College of Information Science and Electronic Engineering)		○								2018	S
	India	Indian Institute of Technology Guwahati (Department of Physics)	○								2017	F · S · I
	Council of Scientific & Industrial Research, India							○			2018	F · I
Indonesia	Indonesian National Atomic Energy Agency							○		1997	F · I	
Ahmad Dahlan University (Faculty of Pharmacy)		○								2016	F · S · I	
Bandung Institute of Technology (National Center for Sustainable Transportation Technology)						○				2018	I	
Korea	Inha University (Department of Chemical Engineering, College of Engineering)		○	○			○			2000	F · S · I	
	Chungnam National University (Department of Architectural Engineering, College of Engineering)		○	○			○			2012	F · S · I	
Korea Institute of Industrial Technology (Technical Textile & Materials R&D Group, Research Institute of Industrial Technology Convergence)				○						2012	F · S · I	
Korea Advanced Institute of Science and Technology (KAIST) (Department of Mechanical Engineering)		○								2016	S*	
Malaysia	Universiti Tenaga Nasional (College of Engineering, and College of Graduate Studies)		○	○			○			2012	F · S · I	
	Universiti Sains Malaysia (School of Biological Sciences)		○	○		○	○			2018	F · S · I	
University of Malaya		○	○			○	○			2018	F · S · I	
Philippines	De La Salle University (Chemical Engineering Department, College of Engineering)		○	○			○			2005	F · S · I	
	Technological University of the Philippines (Graduate Programs and External Studies, College of Engineering, College of Science, College of Industrial Technology)		○	○			○			2010	F · S · I	
Singapore	Singapore University of Technology and Design		○	○			○			2019	S	
Taiwan	National Taiwan University (College of Engineering, and College of Electrical Engineering and Computer Science)		○	○			○			2011	S	
	National Taiwan University (National Center for Theoretical Sciences Division)								GSIC	2020	F · S · I	
	National Taiwan University of Science and Technology (College of Engineering)		○	○			○			2015	F · S · I	
	National Taiwan University of Science and Technology (College of Electrical Engineering and Computer Science)		○	○			○			2015	F · S · I	
	National Taiwan University of Science and Technology (College of Engineering, College of Electrical Engineering & Computer Science, College of Applied Sciences)		○	○			○			2018	S	

Note: Science: School of Science, Engineering: School of Engineering, Mat. and Chem. Tech.: School of Materials and Chemical Technology, Computing: School of Computing, Life Sci. and Tech.: School of Life Science and Technology, Envir. and Society: School of Environment and Society, ILA: Institute for Liberal Arts, IIR: Institute of Innovative Research, GSIC: Global Scientific Information and Computing Center, CITL: Center for Innovative Teaching and Learning  
[Type of Exchange] F: Faculty and researcher exchange, S: Student exchange, S\*: Double Degree, I: Academic information exchange

Overseas Partner Universities

As of May 1, 2020

Academic Cooperation Agreements [School-level Agreements] (128 agreements)

Country or region	University / Institute (School)	Tokyo Tech Counterpart									Concluded	Type of exchange		
		Science	Engineering	Mat. and Chem. Tech.	Computing	Life Sci. and Tech.	Envir. and Society	ILA	IIR	Centers				
<b>Asia</b>														
Taiwan	National Chiao Tung University (International College of Semiconductor Technology)		○								2017	S		
	National Chiao Tung University (College of Engineering)								○		2017	F		
	National Chiao Tung University (College of Engineering)			○							2018	I		
	National Chiao Tung University (College of Science)								○		2019	F · S · I		
	National Chiao Tung University (College of Engineering)			○							2020	S		
	Industrial Technology Research Institute (Electronic and Optoelectronic System Research Laboratories)								○		2017	F · I		
	National Applied Research Laboratories (National Center for Research on Earthquake Engineering)									○	2018	F · I		
	National Cheng Kung University (College of Engineering)		○	○							2018	S		
Thailand	Thammasat University (Chemical Engineering Department, Faculty of Engineering)		○	○						○	2006	F · S · I		
	Thammasat University (Faculty of Engineering)		○	○						○	2018	S		
	Chiang Mai University (Faculty of Engineering)		○	○						○	2012	F · S · I		
	Synchrotron Light Research Institute		○								2018	F · I		
Vietnam	Vietnam Atomic Energy Commission									○	1999	F · I		
	VNU University of Science (Faculty of Physics)									○	2003	F · S · I		
<b>Middle East</b>														
Saudi Arabia	King Abdullah University of Science and Technology (Extreme Computing Research Center)										GSIC	2017	F · S · I	
Iran	University of Tehran (College of Engineering)		○	○								2018	F · S · I	
<b>Oceania</b>														
Australia	RMIT University (School of Architecture and Urban Design)											2018	F · S · I	
	Australian National University (ANU College of Engineering and Computer Science)		○	○								2018	F · S · I	
New Zealand	The University of Auckland (Faculty of Engineering)		○	○								2018	F · S · I	
<b>North America</b>														
Canada	McGill University / Royal Institution for the Advancement of Learning			○								2018	F · I	
U.S.A.	Massachusetts Institute of Technology (Department of Mechanical Engineering)		○	○								1991	F · S · I	
	Massachusetts Institute of Technology (Center for Advanced Nuclear Energy Systems)								○			2006	F · I	
	Massachusetts Institute of Technology (Department of Nuclear Science and Engineering)			○						○		2019	S	
	Rice University (Richard E. Smalley Institute for Nanoscale Science & Technology)	○										2008	F · S · I	
	The Pennsylvania State University (College of Earth and Mineral Sciences)			○								2009	S	
	The Pennsylvania State University (College of Engineering)			○	○						○	2018	S · I	
	University of Wisconsin-Madison (College of Engineering)			○	○							2010	S	
	Northwestern University (Department of Civil and Environmental Engineering)									○		2012	F · S · I	
	University of California, Santa Barbara (College of Engineering)			○	○							2014	S	
	University of California, Berkeley (Center for Teaching and Learning, and Educational Technology Services)										CITL	2016	F · I	
	Princeton University (Princeton Institute for Computational Science & Engineering)										GSIC	2016	F · S · I	
	State University of New York at Stony Brook (Institute for Advanced Computational Science)	○										2017	F · S · I	
	Cornell University (College of Engineering, Department of Materials Science and Engineering)				○							2018	F · S · I	
	Georgia Institute of Technology (The Center for 21st Century Universities)										CITL	2018	F · I	
<b>Europe</b>														
Czech	Centrum vyzkumu Rež s.r.o.(CVR)											○	2019	F · I
Denmark	The Royal Danish Academy of Fine Arts (School of Architecture)											○	2017	F · S · I

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		Science	Engineering	Mat. and Chem. Tech.	Computing	Life Sci. and Tech.	Envir. and Society	ILA	IIR	Centers								
<b>Europe</b>																		
France	École National des Ponts et Chaussées (École des Ponts ParisTech)		○	○									2010	S				
	UPMC (now Sorbonne University)		○	○									2012	S				
	Sorbonne University (Faculty of Sciences and Engineering)		○	○									2019	F · S · I				
	Aix-Marseille Université-CNRS (Team H2M, PIIM Laboratory)											○	2012	F · I				
	The Université Paris-Sud (The Light-Matter Federation (LUMAT))											○	2012	F · I				
	Grenoble Institute of Technology (Grenoble INP)		○	○									2012	F · S · I				
	The National Laboratory for Metrology and Testing (LNE)				○								2016	F · S · I				
	EMLYON Business School												○	2017	F · S · I			
	University of Nantes (Faculty of Sciences and Technology)				○									2017	F · S · I			
	ONERA				○									2018	F · S			
	École Polytechnique		○	○										2006	S			
	Germany	Ludwig-Maximilians-Universität München (Human Science Center and Institute of Medical Psychology)										○		2001	F · S · I			
RWTH Aachen University (Faculty of Mathematics, Computer Science and Natural Sciences, Faculty of Civil Engineering, Faculty of Mechanical Engineering, Faculty of Georesources and Materials Engineering, Faculty of Electrical Engineering and Information Technology)			○	○									2012	S				
RWTH Aachen University (Institute of Textile Technology)			○	○									2015	F · S · I				
Hamburg University of Technology (Faculty of Management Sciences and Technology)													○	2012	F · S · I			
German Aerospace Center (DLR)													○	2016	F · S · I			
The Helmholtz-Zentrum Dresden - Rossendorf e. V. (HZDR)													○	2018	F · S · I			
Max Planck Institute for Polymer Research (Department of Physics at Interfaces)													○	2018	F · S · I			
Technical University Darmstadt (Department of Physics)		○												2020	F · S · I			
Iceland	Reykjavik University (School of Computer Science)												○	2014	F · S · I			
Italy	University of Messina (Department of Engineering)													○	2013	F · I		
	University of Genoa (Polytechnic School)													○	2016	F · S · I		
	Consiglio Nazionale delle Ricerche (Institute of Condensed Matter Chemistry and Technologies for Energy)													○	2016	F · S · I		
Kazakhstan	Al-Farabi Kazakh National University (Chemistry Faculty)		○	○										○	2006	F · S · I		
	Kazakh-British Technical University (Faculty of Energy and Oil and Gas Industry)		○	○										○	2006	F · S · I		
Lithuania	Vilnius University (Life Science Center)													○	2019	F · S · I		
Netherlands	Leiden University (Faculty of Science)		○												2012	F · S · I		
	Delft University of Technology (QuTech)														○	2017	F · S · I	
Norway	NJARC-Norwegian University of Science and Technology (NTNU) (Faculty of Natural Sciences and Technology; Hydro Aluminium R&D Center; SINTEF AS by its institute SINTEF Industry; University of Toyama; Kyushu University; Japan Aluminium Association; Toyama Aluminium Industry Association)													○	2016	S · I		
Poland	University of Warsaw (Faculty of Chemistry)													○	2016	F · S · I		
Russia	Borekov Institute of Catalysis														○	2008	F · I	
	Lomonosov Moscow State University (Faculty of Biotechnology)														○	2018	F · S · I	
	Lomonosov Moscow State University (Faculty of Chemistry)														○	2018	F · S · I	
	Lomonosov Moscow State University (Faculty of Bioengineering and Bioinformatics)														○	2019	F · S · I	
Serbia	University of Belgrade (Vinca Institute of Nuclear Sciences)														○	2011	F · I	
Slovenia	University of Ljubljana (Faculty of Arts)		○	○											○	2007	F · S · I	
Spain	The Technical University of Madrid		○	○												2010	F · S · I	
	The Technical University of Madrid		○	○													2012	S
	Universitat Politècnica de València														CITL	2018	F · I	

Note: **Science**: School of Science, **Engineering**: School of Engineering, **Mat. and Chem. Tech.**: School of Materials and Chemical Technology, **Computing**: School of Computing, **Life Sci. and Tech.**: School of Life Science and Technology, **Envir. and Society**: School of Environment and Society, **ILA**: Institute for Liberal Arts, **IIR**: Institute of Innovative Research, **GSIC**: Global Scientific Information and Computing Center, **CITL**: Center for Innovative Teaching and Learning [Type of Exchange] F: Faculty and researcher exchange, S: Student exchange, S': Double Degree, I: Academic information exchange

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## Overseas Partner Universities

As of May 1, 2020

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		Science	Engineering	Mat. and Chem. Tech.	Computing	Life Sci. and Tech.	Envir. and Society	ILA	IIR	Centers			
<b>Europe</b>													
Sweden	Luleå University of Technology (Faculty of Engineering)		○	○							2012	F · S · I	
	Jonköping University (Materials and Manufacturing, School of Engineering)			○							2016	F · S · I	
	Karlstad University (Faculty of Health, Science and Technology)		○	○							2018	F · S · I	
	Karlstad University (Faculty of Health, Science and Technology)		○	○							2018	S	
U.K.	University of Cambridge (Department of Engineering)		○	○							2005	S	
	University of Cambridge (Department of Chemistry)		○	○							2008	S	
	University of Oxford (Department of Engineering Science)		○	○							2006	S	
	University of Oxford (Department of Chemistry)		○	○							2008	S	
	University of Oxford (Department of Materials)		○	○							2008	S	
	University of Warwick (School of Engineering)		○	○							2007	S	
	The University of Manchester (Photon Science Institute, and School of Chemistry)								○		2011	F · S · I	
	The University of Manchester (Faculty of Science & Engineering)		○	○							2018	F · S · I	
	University of Southampton		○	○							2011	S	
	University of Glasgow (College of Science and Engineering)		○	○							2018	F · S · I	
	University of the Arts London, Central Saint Martins		○	○							2019	F · S · I	
	University of Bristol (South West Nuclear Hub), Kyoto University (The Institute for Integrated Radiation and Nuclear Science)									○	2020	F · S · I	
<b>Multi-Region</b>													
UT-Battelle, LLC; Swiss Federal Institute of Technology, Zurich (ETH Zurich)											GSIC	2016	F · I
<b>Program-/Project-based Consortium</b>													
Asia-Oceania Top University League of Engineering (AOTULE)			○	○								2007	F · S · I
MaMaSELF+ (under Erasmus Mundus)		○		○								2017	S
Generation IV International Forum (Collaboration on Lead-Cooled Fast Reactor Nuclear Energy System); JRC, European Commission; ROSATOM; Seoul National University; United States Department of Energy											○	2010	F · I
Integration of Pool scrubbing Research to Enhance Source-term Calculations (IPRESCA) organized by Becker Technologies GmbH											○	2018	F · S · I

Note: **Science:** School of Science, **Engineering:** School of Engineering, **Mat. and Chem. Tech.:** School of Materials and Chemical Technology, **Computing:** School of Computing, **Life Sci. and Tech.:** School of Life Science and Technology, **Envir. and Society:** School of Environment and Society, **ILA:** Institute for Liberal Arts, **IIR:** Institute of Innovative Research, **GSIC:** Global Scientific Information and Computing Center, **CITL:** Center for Innovative Teaching and Learning  
 [Type of Exchange] F: Faculty and researcher exchange, S: Student exchange, S': Double Degree, I: Academic information exchange

## Tokyo Tech ANNEXes and Overseas Offices

As of May 1, 2020

### Tokyo Tech ANNEX

Name	Location / Area	Establishment
Tokyo Tech ANNEX Bangkok	Pathum Thani, Thailand	2018 (succeeds Tokyo Tech Thailand Office, est. 2002)
Tokyo Tech ANNEX Aachen	Aachen, North Rhine-Westphalia, Germany	2019

### Overseas Offices

Name	Location / Area	Establishment
Tokyo Tech Philippines Office	Manila, the Philippines	2005
Tokyo Tech China Office	Beijing, China	2006
Tokyo Tech Egypt E-JUST Office	Alexandria, Egypt	2014

# Financial Data

## Budget FY2020

### Revenue

Category	Amount (million yen)	%	Category	Amount (million yen)	%
Institute-wide	28,801	57.2	Operating grants	19,292	38.3
			Institute revenue (tuition and fees)	7,420	14.7
			Indirect expenses	2,089	4.2
Schools	1,163	2.3	Indirect expenses	1,163	2.3
Specified contributions	20,415	40.5	Commissioned projects	14,976	29.7
			Facility subsidies	1,935	3.8
			Operating grants	2,154	4.3
			Long-term loan	1,350	2.7
<b>Total</b>				<b>50,379</b>	<b>100.0</b>

Commissioned projects

- Donations for research 797
- Grants for commissioned research & projects 5,977
- Grants for collaborative research 1,859
- Grants for research 6,343

million yen

○ Subsidies for functional enhancement 1,193

○ Subsidies for specific reasons (incl. retirement allowance) 961

million yen

### Expenditure

Category	Amount (million yen)	%	Category	Amount (million yen)	%
Institute-wide	28,801	57.2	Personnel	16,807	33.4
			Fundamental education and research for Schools	9,076	18.0
			Discretionary expenses by the president	1,512	3.0
			Utility	1,406	2.8
Schools	1,163	2.3	Indirect expenses	1,163	2.3
Specified contributions	20,415	40.5	Commissioned projects	14,976	29.7
			Facilities maintenance	1,935	3.8
			Operating grants	2,154	4.3
			Preparatory work for relocation for which funds (long-term loans) have been appropriated	1,350	2.7
<b>Total</b>				<b>50,379</b>	<b>100.0</b>

Commissioned projects

- Research donations 797
- Commissioned research & projects 5,977
- Collaborative research expenses 1,859
- Grants for research 6,343

million yen

○ Subsidies for functional enhancement 1,193

○ Subsidies for specific reasons (incl. retirement allowance) 961

million yen