

## 7. Research Activities

### (1) External Financial Sources

Type	Academic year 2019		Academic year 2020		Academic year 2021		Academic year 2022	
	No. of cases	Amount (1,000 yen)	No. of cases	Amount (1,000 yen)	No. of cases	Amount (1,000 yen)	No. of cases	Amount (1,000 yen)
Grants-in-Aid for Scientific Research	631	3,693,780	660	3,880,451	656	3,387,673	683	3,655,031
Commissioned research, etc.	336	7,511,591	482	7,512,944	451	10,434,712	441	14,339,855
Cooperative Research	570	3,570,735	580	4,708,465	473	4,857,204	590	5,447,379
Donations	416	1,542,928	355	1,338,846	385	1,570,429	352	2,077,520
Other subsidies	87	911,565	64	1,083,058	56	562,511	74	792,245
Total	2,040	17,230,599	2,141	18,523,764	2,021	20,812,529	2,140	26,312,030

### (2) Sponsored Chairs (As of April 1, 2023) (Unit: 1,000 yen)

Description	Sponsor	Total amount donated	Duration	Department
Laboratory for Urban Sustainability and Renaissance Studies	Mitsui Fudosan Co.,Ltd.; Mitsubishi Estate Co.,Ltd.; Mori Building Co.,Ltd.; Sumitomo Realty&Development Co.,Ltd.; Sekisui House,Ltd.; Development Bank of Japan; Obayashi Corporation; Kajima Corporation; Shimizu Corporation; Taisei Corporation; Takenaka Corporation; and East Japan Railway Company	138,000	Oct. 1, 2022 to Sep. 30, 2027	Urban Engineering
	Mitsui Fudosan Co., Ltd.; Mitsubishi Estate Co., Ltd.; Mori Building Co., Ltd.; Obayashi Corporation; Kajima Corporation; Shimizu Corporation; Taisei Corporation; Takenaka Corporation; Sekisui House, Ltd.; and East Japan Railway Company	115,000	(Oct. 1, 2017 to Sep. 30, 2022)	
	Mitsui Fudosan Co., Ltd.; Mitsubishi Estate Co., Ltd.; Mori Building Co., Ltd.; Obayashi Corporation; Kajima Corporation; Shimizu Corporation; Takenaka Corporation; Sekisui House, Ltd.; Tokyo Gas Co., Ltd.; Hitachi, Ltd.; and Taisei Corporation	113,000	(Oct. 1, 2012 to Sep. 30, 2017)	
	Sumitomo Realty & Development Co., Ltd.; Tokyo Tatemono Co., Ltd.; Mitsubishi Estate Co., Ltd.; Mitsui Fudosan Co., Ltd.; Mori Building Co., Ltd.; Obayashi Corporation; Kajima Corporation; Shimizu Corporation; Taisei Corporation; Takenaka Corporation; East Japan Railway Company; Tokyo Electric Power Co., Inc.; Tokyo Gas Co., Ltd.; and Sekisui House, Ltd.	156,000	(Oct. 1, 2007 to Sep. 30, 2012)	
Power Frontier Laboratory	Mitsubishi Electric Corporation; Sumitomo Electric Industries, Ltd.; NGK Insulators, Ltd.; TAKAOKA TOKO CO., LTD.; and Central Japan Railway Company	112,500	Jun. 1, 2018 to May. 31, 2023	Electrical Engineering
	Hitachi, Ltd.; Mitsubishi Electric Corporation; and Sumitomo Electric Industries, Ltd.	150,000	(Jun. 1, 2013 to May. 31, 2018)	
	Kansai Electric Power Co., Inc.; Hitachi, Ltd.; Mitsubishi Electric Corporation; and Sumitomo Electric Industries, Ltd.	200,000	(Jun. 1, 2008 to May. 31, 2013)	
Ubiquitous Power Grid Laboratory	East Japan Railway Company; Toshiba Energy Systems & Solutions Corporation; Electric Power Development Co., Ltd.; FUJI ELECTRIC CO., LTD.; Meidensha Corporation; and Hitachi, Ltd.	136,500	Jun. 1, 2018 to May. 31, 2023	Electrical Engineering
	East Japan Railway Company; Toshiba Corporation; Electric Power Development Co., Ltd.; Fuji Electric Co., Ltd.; and Meidensha Corporation	112,500	(Jun. 1, 2013 to May. 31, 2018)	
	East Japan Railway Company; and Toshiba Corporation	130,000	(Jun. 1, 2008 to May. 31, 2013)	
Sustainable Basic Materials Management Engineering	NIPPON STEEL CORPORATION; JFE Steel Corporation; and Kobe Steel, Ltd.	195,000	Oct. 1, 2022 to Sep. 30, 2027	Materials Engineering
	NIPPON STEEL CORPORATION; JFE Steel Corporation; and Kobe Steel, Ltd.	195,000	(Oct. 1, 2017 to Sep. 30, 2022)	
Management and Organization of the Building Process Laboratory	Obayashi Corporation; Kajima Corporation; Shimizu Corporation; Taisei Corporation; and Takenaka Corporation	250,000	Apr. 1, 2022 to Mar. 31, 2027	Architecture
	Obayashi Corporation; Kajima Corporation; Shimizu Corporation; Taisei Corporation; and Takenaka Corporation	250,000	(Apr. 1, 2017 to Mar. 31, 2022)	
Construction System Management for Innovation	Japan Federation of Construction Contractors; Civil Engineering Consultants Association; Japan Geotechnical Consultants Association; Japan Federation of Survey Planning Associations; and Japan Construction Machinery and Construction Association	306,000	Oct. 1, 2021 to Sep. 30, 2024	Civil Engineering, Precision Engineering
	Japan Federation of Construction Contractors; Civil Engineering Consultants Association; Japan Geotechnical Consultants Association; Japan Federation of Survey Planning Associations; and Japan Construction Machinery and Construction Association	311,850	(Oct. 1, 2018 to Sep. 30, 2021)	
Blockchain Innovation	Good Luck 3 Inc.; and Star Mountain Co.,Ltd.	90,000	Feb. 1, 2022 to Jan. 31, 2025	Technology Management for Innovation
	Sumitomo Mitsui Financial Group,Inc.; Hotto Link Inc.; Money Forward Financial,Inc; Good Luck 3 Inc.; JSS Co.,Ltd.; and Zipper Co.,Ltd.	90,000	(Nov. 1, 2018 to Jan. 31, 2022)	
Photonic quantum information processing	Nichia Corporation	400,000	Apr. 1, 2019 to Mar. 31, 2027	Institute of Engineering Innovation
ADVANTEST D2T Research Department	Advantest Corporation	90,000	Oct. 1, 2022 to Sep. 30, 2025	Systems Design Lab.
	Advantest Corporation	90,000	(Oct. 1, 2019 to Sep. 30, 2022)	
Biosystems Engineering for Health and Longevity	The Frontier Medical Sciences Foundation	150,000	Nov. 1, 2019 to Oct. 31, 2024	Bioengineering
Innovation for Sewerage Systems	Tokyo Metropolitan Sewerage Service Corporation	190,000	Apr. 1, 2020 to Mar. 31, 2025	Urban Engineering
Aerospace Innovative Structural Design	IHI AEROSPACE Co.,Ltd	150,000	Apr. 1, 2023 to Mar. 31, 2026	Aeronautics and Astronautics
	IHI AEROSPACE Co.,Ltd	140,000	(Apr. 1, 2020 to Mar. 31, 2023)	
Design Studies Course for Urban Resilience	FUKKEN CO.,LTD.; Asia Air Survey Co., Ltd.	60,000	Apr. 1, 2021 to Mar. 31, 2024	Civil Engineering
Chair for AI Business Transformation	PwC Japan LLC	300,000	Jun. 1, 2021 to May. 31, 2024	Technology Management for Innovation
Entrepreneurship Education System Design	Industrial Growth Platform, Inc.; The University of Tokyo Edge Capital Partners Co., Ltd.; Matsuo Institute, Inc.; and KDDI CORPORATION	120,000	Jul. 1, 2021 to Jun. 30, 2024	Technology Management for Innovation
Chair for World Models and Simulators	SQUARE ENIX AI & ARTS Alchemy Co., Ltd.; Sony Group Corporation; and NEC Corporation	550,000	Jul. 1, 2021 to Jun. 30, 2026	Research into Artifacts, Center for Engineering
Advanced Nano System Integration Technology	FET Japan, Inc.	150,000	Jul. 1, 2022 to Jun. 30, 2027	Systems Design Lab.

Description	Sponsor	Total amount donated	Duration	Department
Global Consumer Intelligence	Recruit Holdings Co., Ltd.; and Culture Convenience Club Co., Ltd.	180,000	Dec. 1, 2022 to Nov. 30, 2025	Technology Management for Innovation
The Science of the Extension of Infrastructure Lifetime	Ueda Memorial Foundation	100,000	Apl. 1, 2023 to Mar. 31, 2028	Civil Engineering

### (3) Social Cooperation Programs (As of April 1, 2023) (Unit: 1,000 yen)

Description	Company/entity name	Total cost	Duration	Department
Innovation for Engineering Synthesis	Komatsu Ltd.	371,158	Apr. 2019 to Mar. 2024	Mechanical Engineering
		582,170	(Apr. 2007 to Mar. 2019)	
Advanced Aero Propulsion Technology Creation	IHI Corporation	99,000	Apr. 2022 to Mar. 2025	Aeronautics and Astronautics
		98,400	(Apr. 2019 to Mar. 2022)	
		197,200	(Dec. 2012 to Mar. 2019)	
Technology Incubation for Glass of the Future	AGC Inc.	105,000	Apr. 2021 to Mar. 2024	Mechanical Engineering
		105,000	(Apr. 2018 to Mar. 2021)	
		106,301	(Apr. 2015 to Mar. 2018)	
Intelligent Construction System	Fujita Corporation	50,000	Apr. 2022 to Mar. 2024	Precision Engineering
		62,500	(Oct. 2019 to Mar. 2022)	
		75,000	(Oct. 2016 to Sep. 2019)	
Laboratory for Material and Life Sciences for Fusion of Fluorine and Organic Chemistry	AGC Inc.	105,000	Apr. 2023 to Mar. 2026	Chemistry and Biotechnology
		105,000	(Apr. 2020 to Mar. 2023)	
		105,000	(Apr. 2017 to Mar. 2020)	
Evaluating Future Technology Elements for Mobility	Toyota Motor Corporation	250,000	Jul. 2020 to Mar. 2025	Mechanical Engineering
		150,000	(Jul. 2017 to Jun. 2020)	
Mathematical Engineering of Morality Emotions	SoftBank Robotics Corp.; tenrai inc; and Institute for International Strategy and Information Analysis, Inc.	131,250	Sep. 2022 to Aug. 2025	Bionengineering
		200,000	(Sep. 2017 to Aug. 2022)	
Innovation of Next Generation Signal and Power Transmission Technology	Furukawa Electric Co., Ltd.	125,000	Feb. 2021 to Mar. 2024	Mechanical Engineering
		120,000	(Feb. 2018 to Jan. 2021)	
Advanced Science and Technology in Financial Market	Daiwa Securities Group Inc.; Daiwa Securities Co.Ltd.; Daiwa Asset Management Co.Ltd.; and Daiwa Institute of Research Ltd.	78,000	Apr. 2021 to Mar. 2024	Systems Innovation
		78,000	(Apr. 2018 to Mar. 2021)	
Integrated Risk Engineering	Central Research Institute of Electric Power Industry	81,000	Apr. 2023 to Mar. 2026	Nuclear Professional School
		150,000	(Apr. 2018 to Mar. 2023)	
Public-Private Council's Lecture on Sky Frontier Research Initiative	Yamaha Motor Co., Ltd.; Hitachi, Ltd; Rakuten, Inc.; Class NK; Blueinnovation Co., Ltd.; Nippon Kayaku Co., Ltd.; and Maruwa Unyu Kikan Co.,Ltd.	108,500	Oct. 2018 to Sep. 2023	Aeronautics and Astronautics
Next-generation Performance Evaluation Technology for Infrastructure Materials and Structures	Shimizu Corporation; Kajima Corporation; MAEDA CORPORATION; Sumitomo Mitsui Construction Co. Ltd.; Coms Engineering Corporation; East Japan Railway Company; Shutoko Technology Center; TEKKEN CORPORATION; HRC Research Institute; and Tokyo Electric Power Services CO., Ltd.	260,400	Apr. 2022 to Mar. 2025	Civil Engineering
		189,000	(Apr. 2019 to Mar. 2022)	
Creative Design and Startup Workshop	Sony Group Corporation	60,000	Apr. 2022 to Mar. 2025	Mechanical Engineering
		60,000	(Apr. 2019 to Mar. 2022)	
Integrated Decommissioning of Nuclear Reactors	Hitachi-GE Nuclear Energy, Ltd.; Toshiba Energy Systems & Solutions Corporation; Mitsubishi Heavy Industries, Ltd.; and Tokyo Electric Power Company Holdings, Inc.	108,000	Apr. 2022 to Mar. 2025	Nuclear Professional School
		108,000	(Apr. 2019 to Mar. 2022)	
Development of Novel Synthetic Process for Ordered Porous Materials	Tosoh Corporation	75,000	Jun. 2022 to May. 2025	Chemical System Engineering
		65,000	(Jun. 2019 to May. 2022)	
Digital Bioanalysis	TOPPAN PRINTING CO., LTD.	250,000	Jun. 2019 to Mar. 2024	Applied Chemistry
Voice Analysis and Measurement of Pathophysiology	MITSUMI KNOWLEDGE INDUSTRY	181,500	Sep. 2019 to Aug. 2024	Bionengineering
Next Generation Electron Microscopy	JEOL Ltd.	81,300	Apr. 2023 to Mar. 2026	Institute of Engineering Innovation
		79,100	(Apr. 2020 to Mar. 2023)	
Technology Informatics	DAIKIN INDUSTRIES, LTD	278,337	Apr. 2020 to Mar. 2024	Technology Management for Innovation
Next Generation of Energy Infrastructure	Electric Power Development Co., LTD.; SHIMIZU CORPORATION; Toshiba Energy Systems & Solutions Corporation; MHI Vestas Offshore Wind Japan, Ltd.; Nippon Kaiji Kyokai; and TOKYO GAS CO.,LTD.	270,000	Apr. 2023 to Mar. 2028	Civil Engineering
		225,000	(Apr. 2020 to Mar. 2023)	
Research on Next-generation Agricultural Machines	KUBOTA Corporation	241,000	Apr. 2023 to Mar. 2027	Mechanical Engineering
		105,000	(Apr. 2020 to Mar. 2023)	
Sustainable Human Centric Next Generation Manufacturing	TOYOTA MOTOR CORPORATION.	1,214,450	May. 2020 to Mar. 2026	Research into Artifacts, Center for Engineering
Human-Motion Data Science	Asahi Kasei Corporation.; nac Image Technology Inc.; Xenoma Incorporated; OHTAKE-ROOT KOGYO CO., LTD; and Euphoria Co., Ltd.	60,475	Jun. 2020 to May. 2023	Research into Artifacts, Center for Engineering
Co-Designing Future Engineering	EBARA CORPORATION.; Honda Motor Co., Ltd.; and TOSHIBA CORPORATION	90,000	Jun. 2020 to May. 2023	Mechanical Engineering
Next Generation Zirconia Ceramics	Tosoh Corporation; Japan Fine Ceramics Center; and WORLD LAB inc	533,250	Jul. 2020 to Jun. 2025	Institute of Engineering Innovation
Construction of Innovative Coating Technologies	Nippon Paint Holdings Co., Ltd.	1,100,000	Oct. 2020 to Sep. 2025	Institute of Engineering Innovation
Research for Next Generation HVAC Technology	DAIKIN INDUSTRIES, LTD.	357,500	Nov. 2020 to Oct. 2025	Institute of Engineering Innovation

Description	Company/entity name	Total cost	Duration			Department
Integrated Molecular Structure Analysis Laboratory	Eisai Co., Ltd.; ONO PHARMACEUTICAL CO., LTD.; Kao Corporation.; Kirin Holdings Company, Limited.; GL Sciences Inc.; SHIONOGI & Co., Ltd.; Shimadzu Corporation; DAIKIN INDUSTRIES, LTD.; Daicel Corporation; Sumitomo Dainippon Pharma Co., Ltd.; Takasago International Corporation; TSUMURA & CO.; Tosoh Corporation; Nissan Chemical Corporation; Japan Tobacco Inc.; JEOL Ltd.; MITSUI CHEMICAL ANALYSIS & CONSULTING SERVICE, INC.; Rigaku Corporation; and Merck KGaA	280,000	Nov. 2020	to	Oct. 2023	Applied Chemistry
Engineering on Atomic Layer Level Control of Material Surface	DAIKIN INDUSTRIES, LTD.	170,000	Jan. 2021	to	Dec. 2023	Institute of Engineering Innovation
Next-generation Integrated Engineering for High-performance Polymer	DAIKIN INDUSTRIES, LTD.	560,125	Apr. 2021	to	Mar. 2024	Institute of Engineering Innovation
Precision Health	SoftBank Corp.; Mitsubishi UFJ Trust and Banking Corporation; Prudential Holdings of Japan, Inc; H.U. Group Holdings, Inc.; and Hitachi High-Tech Corporation.	375,000	Apr. 2021	to	Mar. 2024	Bioengineering
DX for Chemical Plants	DAIKIN INDUSTRIES, LTD.	122,638	Apr. 2021	to	Mar. 2024	Mechanical Engineering
Next Generation Manufacturing Architecture	DAIKIN INDUSTRIES, LTD.	377,557	Jul. 2021	to	Jun. 2026	Research into Artifacts, Center for Engineering
Value Co-Creation through Beyond 5G	NEC Corporation	150,000	Dec. 2021	to	Nov. 2024	Systems Innovation
Next-generation Wireless Technology for Accelerating Regional Revitalization	Nippon Telegraph and Telephone East Corporation	100,100	Jan. 2022	to	Mar. 2025	Systems Innovation
Future Intelligence Society	KDDI Research, Inc.	100,000	Jan. 2022	to	Mar. 2025	Systems Innovation
Bio-Chem Lab on Body	Honda Motor Co., Ltd.; TOPPAN INC.; and SANYO CHEMICAL INDUSTRIES, LTD.	93,575	Jan. 2022	to	Dec. 2024	Bionegineering
Social Cooperation Program : Innovative Flexible Imager	Japan Display Inc.	150,000	Feb. 2022	to	Jan. 2025	Electrical Engineering
Social Design Program : Skin Electronics	PARAMOUNT BED CO., LTD.	150,000	Apr. 2022	to	Mar. 2027	Electrical Engineering
Sustainable Transformation of Towns	Takenaka Corporation	79,375	Apr. 2022	to	Mar. 2025	Urban Engineering
Data-federation based Innovation Literacy	KOZO KEIKAKU ENGINEERING Inc.; United Super Markets Holdings Inc.; ABeam Consulting Ltd.; and Trust Architecture	84,234	Apr. 2022	to	Mar. 2025	Systems Innovation
Research Initiative for Global Hydrologic Cycles	SUNTORY HOLDINGS LIMITED.; and Nippon Koei Co., Ltd.	150,000	Apr. 2022	to	Mar. 2025	Civil Engineering
Smart Lab with Sustainable Energy System	HORIBA, Ltd.	99,000	Apr. 2022	to	Mar. 2025	Electrical Engineering
Fukushima Coast Regional Design Studies Unit	East Nippon Expressway Company Limited; and Nissan Motor Co., Ltd.	90,000	Apr. 2022	to	Mar. 2025	Civil Engineering
Creation of a Sustainable Multi-habitation	Open House Group Co., LTD.	78,000	Oct. 2022	to	Sep. 2025	Urban Engineering
Creation of the Next Generation Skill Management	TechnoPro Holdings, Inc.	130,000	Oct. 2022	to	Sep. 2027	Systems Innovation
Next Generation Railway Network Studies Unit	JR East Consultants Company	75,000	Oct. 2022	to	Sep. 2025	Civil Engineering
Development of a Sustainable Regional Symbiotic Service, Communication and Behavior Support System through Strategic Collaboration of Variety Stakeholders	AEON MALL Co., Ltd.	78,000	Oct. 2022	to	Sep. 2025	Urban Engineering
Innovation of New Materials for Next Generation Machines	Hinode Holdings Co., Ltd.	60,000	Nov. 2022	to	Oct. 2025	Research into Artifacts, Center for Engineering
Social Cooperation Program Fulfillment through Work	Ricoh Company Ltd.	344,850	Dec. 2022	to	Nov. 2025	Research into Artifacts, Center for Engineering
DX of Existing Buildings and Creation of Space Value (Campus Management DX)	iSquared Inc.; Seiwa Business Co., Ltd.; DiceNext Co., Ltd.; Fujita Corporation; and Meiho Facility Works Ltd.	83,850	Mar. 2023	to	Mar. 2026	Architecture
Next Generation Quantum Science Education Promotion Social Cooperation Program	Fujitsu Ltd.; Hitachi, Ltd.; NEC Corporation; Mitsubishi Electric Corporation; and TOSHIBA CORPORATION	60,000	Mar. 2023	to	Feb. 2026	Electrical Engineering
Innovative ICT research Contributing to the IOWN	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	100,000	Mar. 2023	to	Feb. 2026	Systems Innovation
Next-generation Numerical Simulations in Construction	KAJIMA CORPORATION	123,300	Apr. 2023	to	Mar. 2026	Architecture
Invention of Next-generation Lightweight Alloys	UACJ Corporation	60,000	Apr. 2023	to	Mar. 2026	Materials Engineering
Creation of Business Ecosystems for Small Satellites and Micro Satellites	Furukawa Electric Co., Ltd.	151,650	Apr. 2023	to	Mar. 2026	Aeronautics and Astronautics
Research on Advanced Network Slicing for Beyond 5G/6G	KYOCERA Corporation	250,000	Apr. 2023	to	Mar. 2028	Systems Innovation
Realization of Innovation on Energy and Environment	KYOCERA Corporation	602,100	Apr. 2023	to	Mar. 2028	Electrical Engineering
Development of Next-generation Eco-friendly Device Using New Physical Phenomena	SUMITOMO CHEMICAL COMPANY, LIMITED	211,650	Apr. 2023	to	Mar. 2026	Quantum-Phase Electronics Center
Creation of Truly Inclusive Nature-based Education System	Hulic Co., Ltd.	120,000	Apr. 2023	to	Mar. 2026	Systems Innovation

#### (4) Cooperative Programs with National Research and Development Agencies (As of April 1, 2023) (Unit: 1,000 yen)

Description	Company/entity name	Total cost	Duration			Department
Emergent-Matter Science	RIKEN	420,000	Apr. 2018	to	Mar. 2025	Quantum-Phase Electronics Center
		470,400	(Apr. 2010	to	Mar. 2018)	
Center for Frontier Astronautics	Japan Aerospace Exploration Agency	238,610	Nov. 2019	to	Mar. 2025	Aeronautics and Astronautics
Nuclear Safety Management Course	Japan Atomic Energy Agency	148,465	Apr. 2023	to	Mar. 2028	Nuclear Engineering and Management
		84,000	(Apr. 2020	to	Mar. 2023)	