

# INTERNATIONAL COLLABORATION

## Academic Cooperation Agreements (University-wide Agreements)

(As of May 1, 2009)

Region	Countries and Territories	University/Institute	Concluded	Area of Exchange		
Asia	China	Harbin Institute of Technology	1980.10	F.S.I.		
		Tsinghua University	1985.4	F.S.I.		
		Shanghai Jiao Tong University	1991.8	F.S.I.		
		Peking University	1991.8	F.S.I.		
		Xi'an Jiaotong University	1991.8	F.S.I.		
		Zhejiang University	1993.9	F.S.I.		
		Beijing Institute of Technology	1993.12	F.S.I.		
		University of Science and Technology of China	1997.9	F.S.I.		
		Dalian University of Technology	2006.11	F.S.I.		
		Tongji University	2007.4	F.S.I.		
		Tianjin University	2007.8	F.S.I.		
		India	Indian Institute of Technology Delhi	1994.7	F.S.I.	
	Indonesia	Bandung Institute of Technology	1988.6	F.S.I.		
		University of Indonesia	1992.12	F.S.I.		
		Gadjah Mada University	2000.2	F.S.I.		
	Korea	Korea Advanced Institute of Science and Technology (KAIST)	1986.5	F.S.I.		
		Korea Institute of Science and Technology (KIST)	1991.12	F.I.		
		Korea Maritime University	1992.7	F.S.I.		
		Korea University	1992.9	F.S.I.		
		Kyungpook National University	1993.7	F.S.I.		
		Chonbuk National University	1995.4	F.S.I.		
		Hanyang University	1996.4	F.S.I.		
		Yonsei University	2002.4	F.S.I.		
		Pohang University of Science and Technology	2003.3	F.S.I.		
		Seoul National University	2007.3	F.S.I.		
	SungKyunKwan University	2008.10	F.S.I.			
	Mongolia	Mongolian University of Science and Technology	2003.6	F.S.I.		
		National University of Mongolia	2007.4	F.S.I.		
	Philippines	De La Salle University	1992.5	F.S.I.		
		University of the Philippines	1992.8	F.S.I.		
	Singapore	National University of Singapore	1991.2	F.S.I.		
	Taiwan	National Cheng Kung University	1997.11	F.S.I.		
		National Tsing Hua University	1998.11	F.S.I.		
		National Taiwan University	1999.1	F.S.I.		
		National Chiao Tung University	2004.11	F.S.I.		
		National Central University	2007.10	F.S.I.		
	Thailand	Chulalongkorn University	1985.10	F.S.I.		
		King Mongkut's Institute of Technology Ladkrabang	1992.11	F.S.I.		
		Thammasat University	1996.3	F.S.I.		
		Kasetsart University	1996.12	F.S.I.		
		National Science and Technology Development Agency (NSTDA)	2001.9	F.S.I.		
		King Mongkut's University of Technology North Bangkok	2005.1	F.S.I.		
		Asian Institute of Technology	2005.12	F.S.I.		
	Europe	Thailand	King Mongkut's University of Technology Thonburi	2007.10	F.S.I.	
			Hanoi University of Technology	1995.8	F.S.I.	
Vietnam		Hanoi University of Science	1995.8	F.S.I.		
		Canada	University of Waterloo	2006.12	F.S.I.	
North America		U.S.A.	University of Washington	1974.5	F.S.I.	
			Oregon State University	1992.7	F.S.I.	
			University of Wisconsin-Madison	1992.8	F.S.I.	
			University of Maryland Baltimore County, College Park	1992.11	F.S.I.	
			Georgia Institute of Technology	2001.1	F.S.I.	
			The Pennsylvania State University	2002.5	F.S.I.	
			The University of Wisconsin-Milwaukee	2004.4	F.S.I.	
			Central and South America	Brazil	Universidade de São Paulo	1991.5
Instituto Tecnológico de Aeronáutica		1992.10			F.S.I.	
Europe		Belgium	University of Ghent	1992.9	F.S.I.	
			Universite Libre de Bruxelles(ULB)	1994.5	F.S.I.	
		Denmark	Technical University of Denmark	1992.9	F.S.I.	
			Carlsberg Laboratory and University of Copenhagen	2007.8	F.S.I.	
		Finland	Helsinki University of Technology	1995.10	F.S.I.	
			Lappeenranta University of Technology	1999.4	F.S.I.	
		France	Ecole Nationale des Ponts et Chaussées	1992.9	F.S.I.	
			Ecole Nationale Supérieure d'Arts et Metiers	2002.4	F.S.I.	
			University of Rennes 1	2002.5	F.S.I.	
			University of Strasbourg	2004.4	F.S.I.	
			Ecole Polytechnique	2006.2	S.	
			Paris Tech	2007.4	F.S.I.	
		Germany	France	Ecole Nationale Supérieure des Mines De Paris	2007.4	F.S.I.
				Technische Universität München	1982.7	F.S.I.
	Universität Stuttgart			1992.4	F.S.I.	
Johannes Gutenberg-Universität Mainz	2001.8			F.S.I.		
Leibniz Universität Hannover	2004.2			F.S.I.		
Rheinisch-Westfälische Technische Hochschule Aachen	2007.9			F.S.I.		
Berlin Institute of Technology	2008.10			F.S.I.		
Italy	University of Bologna			1997.3	F.S.I.	
	University of Rome "La Sapienza"			1998.9	F.S.I.	
	Politecnico di Milano			2002.5	F.S.I.	
Netherlands	Delft University of Technology	2009.2	F.S.I.			
Norway	Norwegian University of Science and Technology (NTNU)	1993.2	F.S.I.			
Russia	Moscow Engineering Physics Institute	1993.6	F.S.I.			
	Novosibirsk State University	1999.11	F.S.I.			
Sweden	Royal Institute of Technology	1991.9	F.S.I.			
	Chalmers University of Technology	1992.10	F.S.I.			
Linköping University	2008.2	F.S.I.				

Region	Countries and Territories	University/Institute	Concluded	Area of Exchange
Europe	Switzerland	Eidgenössische Technische Hochschule Zurich(ETH, Swiss Federal Institute of Technology, Zurich)	1978.9	F.S.I.
		University of Zurich	2007.7	F.S.I.
	U.K.	University of Manchester Institute of Science and Technology (UMIST)	1979.5	F.S.I.
		University of Strathclyde	1993.2	F.S.I.
		University of Surrey	1993.9	F.S.I.
		Churchill College, University of Cambridge	2001.3	F.I.

Region	Countries and Territories	University/Institute	Concluded	Area of Exchange
Oceania	Australia	University of Melbourne	1994.8	F.S.I.
		University of Technology, Sydney	2003.4	F.S.I.
Middle East	Iran	Sharif University of Technology	2000.11	F.S.I.
	Israel	Technion-Israel Institute of Technology	1991.12	F.S.I.
	Turkey	Middle East Technical University	1992.12	F.S.I.
		Bogazici University	1998.3	F.S.I.

\*\* = French "grandes ecoles" \*\*\* = Institution created by 11 "grandes ecoles" in Paris  
 Note: F stands for faculty, staff and/or researchers, S for students, and I for academic information.

## Academic Cooperation Agreements (School-to-School Agreements)

(As of May 1, 2009)

Region	Countries and Territories	University/Institute	Counterpart	Concluded	Area of Exchange
Asia	China	University of Science and Technology, Beijing	School of Eng. / Interdisciplinary Graduate School of Sci. and Eng.	1980.8	F.I.
		Beijing Institute of Technology (Dept. of Control Engineering)	School of Eng. (Control and Systems Eng.)	1986.9	F.S.I.
		Tsinghua University (Exchange Association for Material Dynamics)	School of Eng. (Mechanical Eng.)	1989.9	F.S.I.
		Zhejiang University (Dept. of Civil Engineering, College of Architecture and Building Engineering)	School of Eng. (Civil and Environmental Eng.)	1993.11	F.S.I.
		Tsinghua University (Center of Science , Technology and Society)	Graduate School of Decision Sci. and Tec. (Industrial Eng. and Management)	2001.9	F.S.I.
		Dalian University of Technology (Foreign Language School)	International Student Center	2003.12	F.I.
		Shanghai University (Precision Machinery Institute)	Precision and Intelligence Lab.	2005.10	F.I.
		Hong Kong University of Science and Technology (School of Science)	Graduate School of Bioscience and Biotechnology	2006.10	F.S.I.
	India	Northeast Normal University (School of Physics, School of Urban and Environmental Science, and School of Computer Science)	Interdisciplinary Graduate School of Sci. and Eng.	2008.6	F.S.I.
		Sardar Patel University (Dept. of Materials Science)	Materials and Structures Lab.	2003.2	F.I.
	Indonesia	Jadavpur University (Dept. of History)	Graduate School of Decision Sci. and Tec. (Industrial Eng. and Management)	2007.7	F.S.I.
		Indonesian National Atomic Energy Agency	Research Lab. for Nuclear Reactors	1997.6	F.I.
	Kazakhstan	Sepuluh Nopember Institute of Technology	Graduate School of Sci. and Eng.	2004.5	F.S.I.
		Indonesian Institute of Sciences (Research Centre for Geotechnology)	Volcanic Fluid Research Center	2008.3	F.I.
	Korea	Al-Farabi Kazakh National University (Chemistry Faculty)	Graduate School of Sci. and Eng. (Chemical Eng.)	2006.11	F.S.I.
		Kazakh-British Technical University (Faculty of Energy and Oil and Gas Industry)	Graduate School of Sci. and Eng. (Chemical Eng.)	2006.11	F.S.I.
		Korea Advanced Institute of Science and Technology (KAIST), (Center for Advanced Reactor Research)	Research Lab. for Nuclear Reactors	1993.8	F.I.
		Korea Advanced Institute of Science and Technology (KAIST), (Center for Interface Science and Engineering of Materials)	School of Eng. (Inorganic Materials)	1996.5	F.I.
		Seoul National University (Center for Molecular Catalysis)	Materials and Structures Lab.	1996.5	F.I.
		Chosun University (Factory Automation Research Center for Parts of Vehicle)	School of Eng. (Mechanical Eng.)	1998.11	F.S.I.
		Seoul National University (School of Mechanical and Aerospace Engineering)	School of Eng. (Mechanical Eng.)	1999.4	F.S.I.
		Yonsei University (Dept. of Chemical Engineering, College of Engineering)	Graduate School of Sci. and Eng.(International Development Eng.)	1999.9	F.S.I.
		Inha University(Dept. of Chemical Engineering)	Graduate School of Sci. and Eng.(Chemical Eng.)	2000.2	F.S.I.
		Korea University (Division of Materials Science and Engineering)	Graduate School of Sci. and Eng. (Metallurgy and Ceramics Sci.)	2005.6	F.S.I.
		Seoul National University (School of Economics)	Graduate School of Decision Sci. and Tec. (Social Eng.)	2006.1	F.S.I.
		Hanyang University (School of Mechanical Engineering)	Graduate School of Information Sci. and Eng. (Mechanical and Environmental Informatics)	2006.3	F.S.I.
	Korea	Seoul National University (School of Economics)	Graduate School of Decision Sci. and Tec.	2006.4	F.S.I.
		Kongju National University (Division of Architectural Engineering and Architecture, College of Engineering)	Materials and Structures Lab.	2007.9	F.S.I.
		Sungkyunkwan University (Dept. of Chemical Engineering)	Graduate School of Sci. and Eng.(Organic and Polymeric Materials)	2008.1	F.S.I.

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Region	Countries and Territories	University/Institute	Counterpart	Concluded	Area of Exchange
Asia	Korea	Kyung Hee University (Regional Innovation Center for Components and Materials for Information Display (RIC-CAMID))	Education and Research Center for Material Innovation	2008.1	F.S.I.
		Korea Institute of Machinery & Materials	Precision and Intelligence Lab.	2008.4	F.I.
	Laos	Government of People's Democratic Republic of Laos	Graduate School of Sci. and Eng.(International Development Eng.) and Global Scientific Information and Computing Center	2006.4	F.I.
	Philippines	University of the Philippines (Dept. of Civil Engineering, TTC, NHRC, SURP)	School of Eng. (Civil and Environmental Eng.)	1993.4	F.S.I.
		De La Salle University (Dept. of Chemical Engineering)	Graduate School of Sci. and Eng. (Chemical Eng.)	2005.9	F.S.I.
	Taiwan	National Central University (Research Center for Hazard Mitigation and Prevention)	Center for Urban Earthquake Eng.	2005.11	F.S.I.
		National Yang-Ming University(School of Life Sciences)	Graduate School of Bioscience and Biotechnology	2006.9	F.S.I.
	Thailand	Asian Institute of Technology (School of Engineering and Technology)	Global Scientific Information and Computing Center	2005.12	F.I.
		Thammasat University (Chemical Engineering Dept., Faculty of Engineering)	Graduate School of Sci. and Eng.(Chemical Eng.)	2006.9	F.S.I.
		Chulalongkorn University (Faculty of Engineering)	Global Scientific Information and Computing Center	2007.5	F.I.
North America	Canada	Environment Canada (Numerical Prediction Research Division)	Global Scientific Information and Computing Center	2002.12	F.I.
		Simon Fraser University(School of Engineering Science)	Graduate School of Information Sci. and Eng. (Mechanical and Environmental Informatics)	2007.10	F.S.I.
	U.S.A.	University of Washington (Dept. of Architecture, School of Architecture and Urban Planning)	School of Eng. (Architecture & Building Eng.)	1978.1	F.I.
		Massachusetts Institute of Technology (Dept. of Mechanical Engineering)	School of Eng. (Control and Systems Eng.)	1991.6	F.S.I.
			School of Eng. (Mechano-Aerospace Eng.)	1996.5	F.S.I.
		Stanford University (Dept. of Engineering)	School of Eng. (Mechanical Eng.)	1999.10	F.S.I.
		University of California, San Diego (San Diego Supercomputer Center)	Global Scientific Information and Computing Center	2003.1	F.I.
		George Mason University (Center for Social Complexity)	Interdisciplinary Graduate School of Sci. and Eng.	2005.2	F.S.I.
		University of Minnesota (Institute of Technology)	School of Eng.	2005.2	S.
		Massachusetts Institute of Technology (Center for Advanced Nuclear Energy Systems)	Center for Research into Innovative Nuclear Energy Systems	2006.2	F.S.I.
		Rice University (Electrical and Computer Engineering)	Imaging Sci. & Eng. Lab.	2006.5	F.S.I.
		Massachusetts Institute of Technology (Dept. of Mechanical Engineering)	Graduate School of Sci. and Eng.(Mechanical Sci. and Eng., Mechanical and Control Eng., Mechanical and Aerospace Eng.)	2007.4	F.S.I.
			Graduate School of Information Sci. and Eng.(Mechanical and Environmental Informatics)		
		Rice University (Electrical and Computer Engineering)	Interdisciplinary Graduate School of Sci. and Eng. (Electronics and Applied Physics)	2008.2	F.S.I.
		Rice University (Richard E. Smalley Institute for Nanoscale Science & Technology)	Graduate School of Sci. and Eng. (Condensed Matter Physics)	2008.2	F.S.I.
		Pennsylvania State University (Dept. of Materials Science and Engineering)	Graduate School of Sci. and Eng.(Ceramics Science Division in the Dept. of Metallurgy and Ceramic Science)	2009.2	F.S.I.
Europe	Finland	University of Jyväskylä (Faculty of Information Technology and Agora Center)	Graduate School of Decision Sci. and Tec.	2009.3	F.S.I.
	France	Ecole d'Architecture de Paris la Villette	School of Eng.	2000.7	S.
		CEMHTI,Centre National de la Recherche Scientifique	Research Lab. for Nuclear Reactors	2008.9	F.S.I.
	Germany	Paul-Drude-Institut für Festkörperelektronik	Quantum Nanoelectronics Research Center	1994.9	F.I.
		Forschungszentrum Karlsruhe GmbH	Research Lab. for Nuclear Reactors	1998.2	F.I.
			Precision and Intelligence Lab.	2000.7	F.I.
		Ludwig-Maximilian-Universität München (Humanwissenschaftliches Zentrum)	Interdisciplinary Graduate School of Sci. and Eng.	2001.5	F.S.I.
		Universität Kassel	Graduate School of Sci. and Eng.	2006.9	F.S.I.
		German Cancer Research Center	Graduate School of Bioscience and Biotechnology	2008.5	F.S.I.
		Fraunhofer Ernst-Mach-Institut	Materials and Structures Lab.	2008.11	F.S.I.
		Max Planck Institute (Center for Adaptive Behavior and Cognition)	Graduate School of Decision Sci. and Tec.	2009.3	F.S.I.
	Italy	Politecnico di Torino	Interdisciplinary Graduate School of Sci. and Eng.	1999.7	F.S.I.
		Istituto dei Materiali per l' Elettronica ed il Magnetismo, Consiglio Nazionale delle Ricerche	Graduate School of Sci. and Eng.	2007.10	F.S.I.
Netherlands	University of Twente (Dept. of Chemical Technology)	Interdisciplinary Graduate School of Sci. and Eng.	1996.6	S.	
	Delft University of Technology (Faculty of Electrical Engineering, Mathematics and Computer Science)	School of Eng. / Graduate School of Decision Sci. and Tec.	1998.9	S.	

Region	Countries and Territories	University/Institute	Counterpart	Concluded	Area of Exchange
Europe	Netherlands	Delft University of Technology (Faculty of Architecture)	School of Eng.	2008.8	S.
		Delft University of Technology (Dept. of Bio Mechanical Engineering, Delft Center for Systems and Control)	Graduate School of Sci. and Eng. (Mechanical Sci. and Eng., Mechanical and Control Eng., Mechanical and Aerospace Eng.)	2004.10	F.S.I.
	Romania	Babes-Bolyai University of Cluj-Napoca(Faculty of Physics)	Research Lab. for Nuclear Reactors	2008.3	F.S.I.
	Russia	Russian Scientific Center Kurchatov Institute	Research Lab. for Nuclear Reactors	1992.8	F.I.
		Institute of Physics and Power Engineering	Research Lab. for Nuclear Reactors	1997.12	F.S.I.
		Obninsk Institute of Nuclear Power Engineering	Research Lab. for Nuclear Reactors	1998.1	F.S.I.
		Boreskov Institute of Catalysis (BIC)	Research Lab. for Nuclear Reactors	2007.12	F.S.I.
	Slovenia	University of Ljubljana (Faculty of Arts)	International Student Center	2007.3	F.S.I.
	Sweden	Linköping University (Institute of Technology)	Graduate School of Information Sci. and Eng.	1997.9	S.
		Gotland University (Dep. of Technology, Art and Media)	Graduate School of Information Sci. and Eng.	2006.7	F.S.
	Switzerland	University of Geneva (Dept. Organic Chemistry & Laboratory of Crystallography)	School of Eng. (Chemical Eng. Applied Chemistry course) / Graduate School of Sci. and Eng. (Applied Chemistry)	2001.10	F.S.I.
	U.K.	Imperial College London (Faculty of Engineering)	School of Eng.	2005.4	S.
		University of Cambridge (Dep.of Engineering)	Graduate School of Sci. and Eng.	2005.4	F.S.I.
		Cranfield University (Dept. of Power, Propulsion and Aerospace Engineering, School of Engineering)	Research Lab. for Nuclear Reactors	2005.11	F.S.I.
		Cranfield University (Dept. of Power and Propulsion of the School of Engineering)	Research Centre for Carbon Recycling and Energy	2007.7	F.S.I.
		University of Warwick (School. of Engineering)	Graduate School of Sci. and Eng.	2007.10	S.
University of Oxford (Dept. of Materials)		Graduate School of Sci. and Eng.	2008.5	S.	
Oceania	Australia	Royal Melbourne Institute of Technology (School of Architecture and Design, Faculty of Infrastructure and Environment)	School of Eng. (Architecture and Building Eng.)	1999.8	F.S.I.
		Monash University (Faculty of Engineering)	Graduate School of Sci. and Eng.	2006.4	F.S.I.
	New Zealand	Victoria University of Wellington (Faculty of Science)	Graduate School of Sci. and Eng.	2006.4	F.S.I.
Africa	South Africa	South African Institute for Aquatic Biodiversity	Graduate School of Bioscience and Biotechnology	2005.9	F.S.I.
	Tanzania	Tanzania Fisheries Research Institute	Graduate School of Bioscience and Biotechnology	2006.4	F.S.I.
Other	League	Asia-Oceania Top University League on Engineering (AOTULE)	Graduate School of Sci. and Eng.	2007.3	F.S.I.
	Consortium	Delft University of Technology (Faculty of Mechanical, Maritime and Materials Engineering), the Netherlands	Graduate Sch. of Sci. and Eng. (Mechanical Engineering Depts.)	2009.3	S.
		Technical University of Denmark (Dept. of Management Engineering and Mechanical Engineering), Denmark			
		Royal Institute of Technology (School of Industrial Engineering and Management), Sweden			
		Osaka University (Graduate School of Engineering), Japan			
University of Tokyo (School of Engineering, and Graduate School of Frontier Sciences), Japan					

Note: F stands for faculty, staff and/or researchers, S for students, and I for academic information.