sungkyunkwan university Unique Origin Unique Future

Introduction to Sungkyunkwan University College of Engineering KOREA

Sung-Jin Song School of Mechanical Engineering Sungkyunkwan University



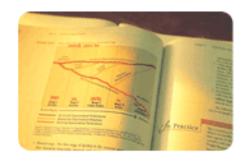
Key Events in the History of SKKU

Unique Origin – Since 1398

1398	Sungkyunkwan founded as the first national education institute during the Lee Dynasty
1895	Sungkyunkwan reformed as a modern three –year university
1946	Sungkyunkwan College opened in Seoul
1965	College of Sciences and Engineering is established
1978	Natural Sciences Campus opened in Suwon
1980	College of Engineering is established
1996	Samsung Group joined as a foundation
1998	The 600 th Anniversary









College of Engineering

	Major	Professors	Undergraduate	Graduate
	Chemical Engineering	18	463	93
	Polymer Science & Engineering	7	128	53
	Textile System Engineering	5	41	
	Advanced Materials Science & Engineering	22	554	141
	Mechanical Engineering	32	766	137
College of Engineering	Architecture	11	228	34
	Architectural Engineering	8	184	93
	Civil & Environmental Engineering	12	192	
	Landscape Architecture	5	94	13
	Systems Management Engineering	16	362	51
	Management of Technology			101
	Interdisciplinary Programs			24
	Total	136	3,012	740

Research Institutes & BK21 Project

Research Institutes

- Advanced Materials Technology Research Center
- Center for Quality and Innovation
- Construction and Environmental Research Center
- Institute of Advanced Machinery and Technology
- Polymer Technology Institute
- Zero Emission Center
- Safety and Structural Integrity Research Center

BK21 Project (Supported by the Ministry of Education, Science and Technology, Korean Government)

- Center for Advanced IT HRD with Close Industry Cooperation
- Fusion Technology of Environment & Energy
- Center for Next-generation IT Materials and Components
- Center for Convergence Mechanical System Design
- Center for Ubiquitous City Construction
- Polymeric Materials for Growth Engine of Korea in Next Generation
- Research&HRD Group for Management of Complex Systems

SAFE (SAFETY AND STRUCTURAL INTEGRITY RESEARCH CENTER)

- Established in June 1997
- Engineering Research Center (ERC) designed by the Korea Science and Engineering Foundation (KOSEF)
- Objective: Development of advanced safety evaluation technologies for industrial facilities such as power plants, petrochemical plants and pipelines
- Research Area
 - Nondestructive Evaluation
 - Material Degradation
 - Structural Analysis
 - Structural Integrity Evaluation



International Collaborations

- SKKU Academic exchange programs with overseas institutions
 - (Agreement with 338 universities in 47 countries)
- Collaborations with Institute of Fluid Science, Tohoku University
 - Student exchange (3 students)
 - JSPS KOSEF co-operative research project
 - Agreement signed in April 17, 2008

AGREEMENT ON ACADEMIC EXCHANGE
BETWEEN
COLLEGE OF ENGINEERING,
SUNGKYUNKWAN UNIVERSITY, KOREA
AND
INSTITUTE OF FLUID SCIENCE,

In a mutual desire to promote further intercultural, educational and technological exchange, College of Engineering, Sungkyunkwan University (Korea) and Institute of Fluid Science, Tohoku University (Japan) agree to the following framework of caademic cooperation:

- (1) Promotion of joint research and educational activities;
- (2) Invitation to short-term visits of faculty members and researchers for lectures, conferences, colloquia, and symposia or other academic activities;
- (3) Exchange of information and pertinent publication in fields of interest to both parties:
- (4) Exchange of faculty members, researchers and students for study and research.

Other forms of cooperation may be established when agreed separately on each specific case

- The details on other necessary matters concerning the exchange of students are provided separately
 in "the Memorandum of Understanding on Student Exchange."
- 2. The fields of study are to be designed for each case, based on mutual interests. The conditions for employing the achieved results as well as arrangements for specific visits and exchanges should be endorsed by both parties on each specific case.
- Both parties understand that all financial arrangements will depend upon availability of funds in each specific case, which may be collaboratively and/or separately sought by both parties.
- 4. This agreement will become effective from the date of the signatures by the representatives of both parties and valid for the initial period of five years. The agreement will be reviewed not less than six months prior to the natural termination of the current agreement and may be extended or renewed in mutual accordance. At any time, the terms of this Agreement may be amended by mutual agreement in a written notice.
- 5. The agreement may be terminated by either party with a six-month notice. No applications shall be considered after this notice; however, both parties will continue to fulfill their obligations with the accepted exchange students until the completion of their study plans.

The agreement should be concluded in two original documents, both written in English language and being equally authentic.

Date: April 1712008

Prof. Tochinuki He

Prof. Hyun Soo Kim

Prof. Toshiyuki Hayase

Dean, College of Engineering

Director, Institute of Fluid Science

Sungkyunkwan University, Korea

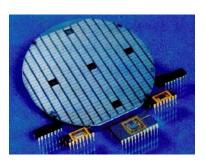
Tohoku University, Japan

Unique Future

- A very special partnership with the Samsung Group under which Samsung provides large funding, custom education requirements, and university management(Since 1996).
- Tremendous progress during the past decade on education, research, finances, infrastructure, and university management.
- Vision 2010 for the next step towards SKKU's
 Unique Future













2010+

GKYUN KWAN

Global 100 University Global Competitiveness in Education Programs

World-Class Research Institute