The role of the International Office of KAIST (Korea Advanced Institute of Science and Technology)

Hyunsook Min
Coordinaor
International Relations Team

KAIST was established by the government under a special law in 1971 as the nation's first graduate school for science and engineering education and research. In 2008, KAIST is ranked 95th among the World's Top 200 Universities selected by The Times (of London). In the area of engineering and information technology, it is ranked 34th and in natural sciences, 46th. KAIST ranked first in JoongAng Ilbo newspaper's annual evaluation of universities in Korea in 2008.

KAIST is located at Daedeok Innopolis in the city of Daejeon, 150 kilometers south of the capital city of Seoul. Daedeok Innopolis is the home to some 60 government-supported and private research institutes, four universities and 142 high-tech and venture companies. KAIST's Daedeok and Seoul campuses house seven colleges (Natural Science, Life Science & Bioengineering, Engineering, Information Science & Technology, Interdisciplinary Studies, Business, and Cultural Science), eight research institutes and five affiliate schools.

Under its long-term vision of becoming one of the best science and technology universities in the world, KAIST has focused on research in basic, influential and technically innovative fields. KAIST has founded eight KAIST (Research) Institutes (KIs) to intensively support researches in core fields of global competitiveness.

The key elements of KAIST's Five-year Plan (2007-2011) are as follows:

1. Increase the number of undergraduate students from 700 per to 1,000 per year
2. Increase the number of tenure-track faculty to 700
3. Secure government support for doubling our best budget in five years
4. Contribute to society and S & T through original and creative research
5. Improve and increase facilities for education and research
6. Improve productivity and performance of everyone in KAIST
7. Concentrate our resources to solve important problems of the 21st century
8. Concentrate our resources where we have unique strengths

As of the first semester of 2008, there are 8,217 students enrolled; 3,586 in the bachelor's, 2,776 in the master's, 644 in M.S.–Ph.D. joint, and 1,855 in the doctorate program. International students account for 7 percent of the total enrollment and foreign professors occupy 13% of the total faculty.

To achieve KAIST globalization, we, Office of International Relations, are working hard as follows:

1. To raise international visibility of KAIST
   - International Presidential Forum on Global Research Universities (http://forum.kaist.ac.kr)
   - Technical tours to leading international institutions by representative KAIST professors to have seminars or make presentations on their research areas
   - Upgrade KAIST International PR
2. To promote international collaboration & exchanges
   - Increase dual degree programs with internationally renowned universities
   - Increase courses offered in English
   - Offer KAIST Summer International Session (http://summer.kaist.ac.kr)
   - Open KAIST America Office in Silicon Valley & overseas liaison offices
3. Recruitment of international students to the KAIST undergraduate program
4. To realize campus globalization
   - Organize various cultural activities for international students, faculty, researchers, and their family members
   - Open International Student Center
   - Provide convenience facilities for international students
   - Designate International Zone areas near KAIST campus

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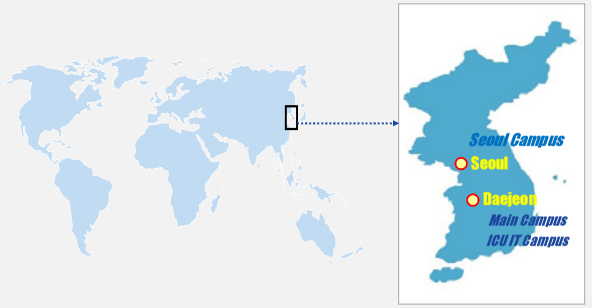
- KAIST International Relations Team

&

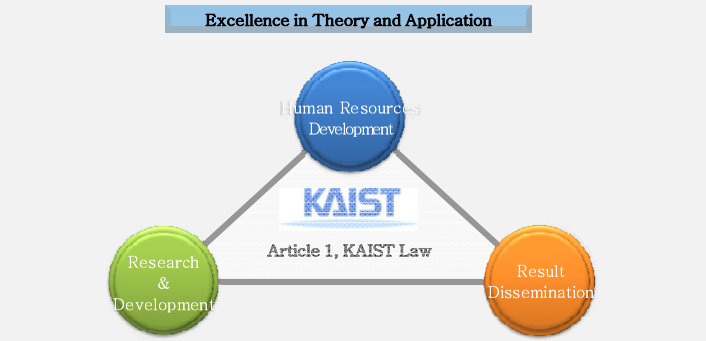
its role

About KAIST

Location



The Mission of KAIST



Brief History

- Feb. 16, 1971 Establishment of Korea Advanced Institute of Science (KAIS) at Seoul campus (graduate school)
- Aug. 20, 1975 First graduation of KAIS master's program
- Aug. 19, 1978 First graduation of Ph.D. program
- Jan. 05, 1981 Establishment of Korea Advanced Institute of Science and Technology (KAIST), merge with KIST
- Dec. 31, 1984 Establishment of Korea Institute of Technology (KIT), (undergraduate school)
- Jun. 12, 1989 Separation of KIST from KAIST
- Jul. 04, 1989 Merge with KIT and transfer to Daedeok campus
- Dec. 17, 1990 First graduation of bachelor's program
- Jan. 19, 1996 Establishment of Graduate School of Management
- Oct.01, 1996 Establishment of Korea Institute for Advanced Study
- May 04, 2004 Establishment of National NanoFab Center
- Oct. 01, 2006 - Nov. 15, 2007 Establishment of 8 KAIST research institutes
- May 31, 2008 KAIST-ICU (Information-Communication Univ.) merger plan is announced

The KAIST Goal

To make KAIST

The best S&T University in the World

Strategies

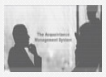
Education

Design / Synthesis
Bilingual
Dual degree program

Research

EEWS / HRHRP
KI for Research Excellence
Research at the interface

Operation



Dept.-Centric system
Boundary-Less system
Ethics

Cooperation

Globalization
Interaction with the Int'l Community
Contribution to the society

Distinctive Features of KAIST

- **Unique Status in Korea**
  - Public institution under **MEST (http://www.mest.go.kr)**
  - **Scholarship granted to all students with G.P.A. above 3.0**
- **Flexible Management of Academic Affairs**
  - Independent & flexible management granted by **KAIST Law**
  - Early admission of students who completed their junior year of high school
- **Research-oriented / Innovative Education**
  - **Maximization of educational effects via mutual interaction with industry**
  - Cultivation of creativity by emphasizing discussion, experimentation, tutoring, etc
  - **Design**/synthesis education, **Bilingual** education, **Dual degree** program
- **Well-rounded Education**
  - **Leadership training**
  - Strong emphasis on humanities and social sciences

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Evaluations & Achievements

- **Asian Ranking by ASIAWEEK ***
  - 1999 & 2000 : First in "Best Universities in Asia in Science and Technology"
- **2008 World Ranking by the THES ****
  - Top 34th in Technology field
  - Top 46th in Science field
- **2008 World Ranking by Elsevier**
  - First in System & Software Engineering
- **2008 National Ranking by Joong-Ang Ilbo*****
  - First in KOREA

* ASIAWEEK: The weekly magazine published in Hong Kong
** THES: The Times Higher Education Supplement
*** Joog-Ang Ilbo: The daily press published in Korea

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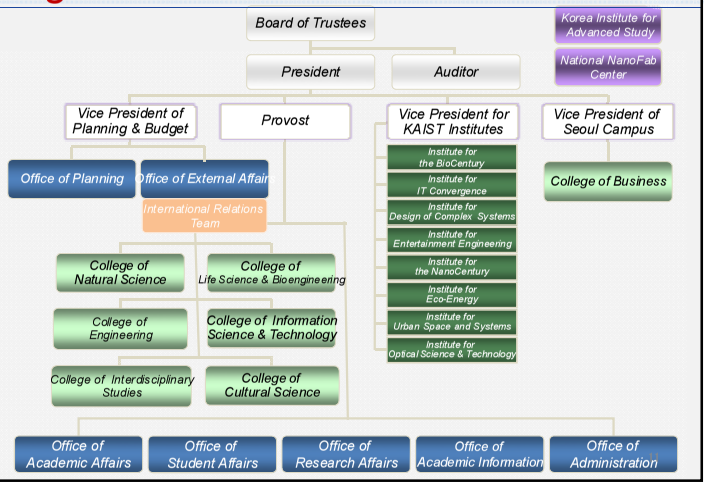
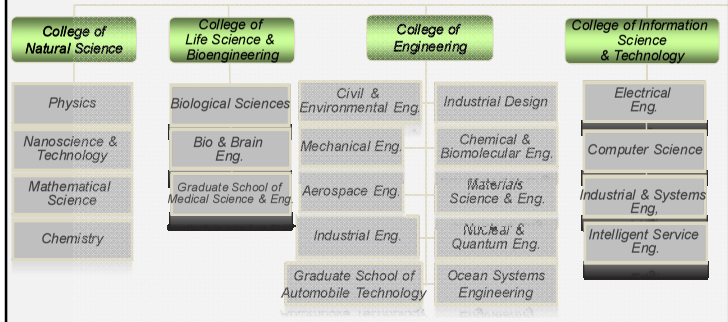
Organization



Academic Programs (1)



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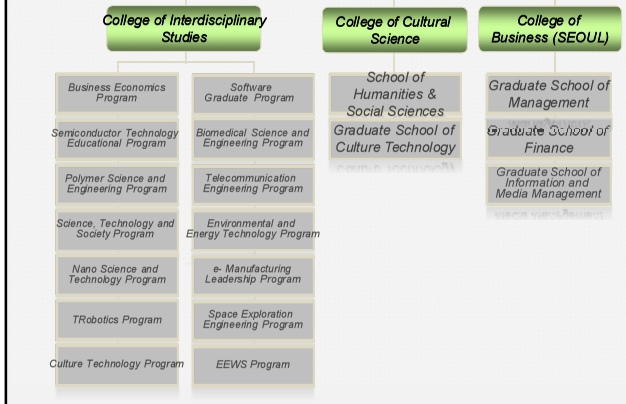
Academic Programs (2)



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KAIST Campus

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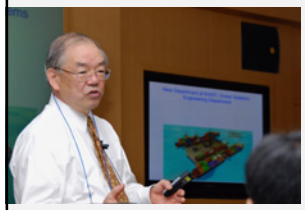
Goal of KAIST by President Nam Pyo Suh



- Make KAIST one of the best universities in the world in science, engineering, business and culture/technology.
- KAIST has outstanding students. The goal of KAIST is to enable our graduates to be outstanding leaders in 10 to 20 years.

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Goal of KAIST by President Nam P. suh

KAIST is a great university because …

1. Outstanding students
2. Excellent professors
3. Strong support of the public
4. Strong commitment to excellence
5. Good facilities
6. Global university

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PAC Meetings & Donations

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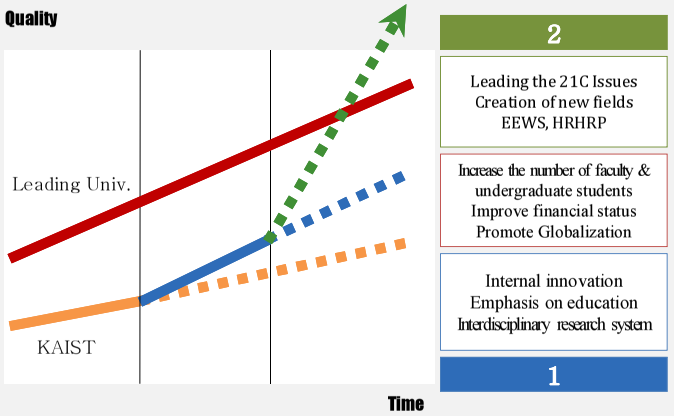
KAIST Reform by stages



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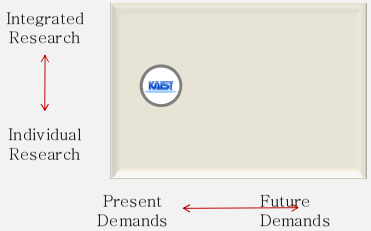
Creation of Tech-innovative Academic Org.

Major Tasks in 2nd Phase Reform (1)



- New academic organization to meet new demands and opportunities in the future
- Integrated science-technology research to develop new academic disciplines

IT College, BT College, Dept. of Ocean systems engineering, Dept. of Nanoscience & Technology
Dept. of Intelligent service engineering , EEWS Initiatives …

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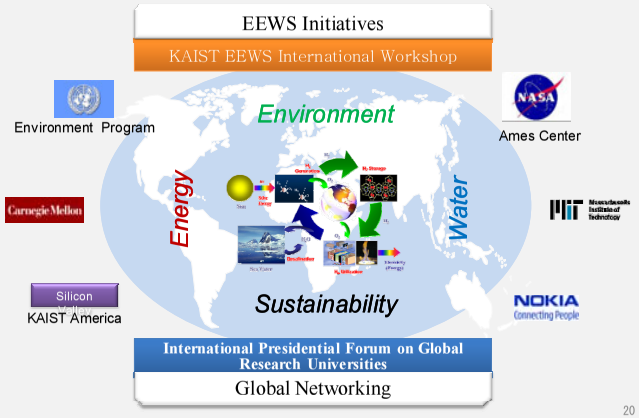
EEWS Initiatives & Global Networking

Major Tasks in 2nd Phase Reform (2)



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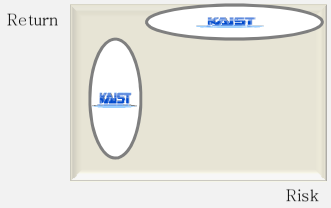
HRHR Projects to Proliferate KAIST Research Culture

Major Tasks in 2nd Phase Reform (3)



• KAIST to take up research tasks untapped by the public and corporate sectors
• KAIST to assume risks for creative, challenging researchers

* Young, capable researchers concentrate their energy, creativeness in projects for future values
* Quality-oriented assessment to replace quantity-oriented appraisal

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International Cooperation

- *Cooperation Agreements with 99 foreign institutions in 31 countries for academic cooperation and exchange*
  - *bilateral student exchange programs: 70 overseas partner universities*
  - *dual degree programs:*
    Carnegie Mellon Univ., TU Berlin, TU München , City Univ. London,
    USC Marshall, Univ. of Illinois-Urbana Champaign
- *EEWS Global Network*
  - UN Environment Program, NASA, KAUST, MIT, CMU, NOKIA …
- *Cooperation with International Organization:*
  - *UNESCO HQ, UNDP, KOICA, CNRS …*

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KAIST International Relations Team & its role

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Role of KAIST IRT

- *Raise International Visibility of KAIST*
- *Promote International Collaboration & Exchanges*
- *Recruit actively international students to the KAIST undergraduate Program*
- *Realize Campus Globalization*

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To Raise Int'l Visibility of KAIST

- *International Presidential Forum on Global Research Universities*
  - ✓ *http://forum.kaist.ac.kr*
- *Technical Tours to leading int'l institutions by KAIST professors*
- *Upgrade KAIST International PR*
- *Various External Advisory Committee (EAC) Activities by each department*

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International Visibility of KAIST

THE CHRONICLE
of Higher Education

Science Institute's New President Sets a Blistering Pace for Reform

ROBOT COLLEGE
—Daejon

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2009 International Presidential Forum on Global Research Universities

- The theme of 2009 forum: **Challenges of Global Research Universities**
  - ✓ Institutional Management in Times of Financial Crisis
  - ✓ Innovations in Education & Research
  - ✓ Globalization of Institutions of Higher Learning
- Theme of 2008 Forum: *Globalization through Interfacing with Existing Networking*
- http://forum.kaist.ac.kr

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KAIST Spots

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To Promote int'l Collaboration & Exchanges

- *Dual Degree Programs with international renowned universities*
- *KAIST Int'l Summer Session (KISS)*
  - ✓ *http://summer.kaist.ac.kr*
- *KAIST America Office in Silicon Valley & overseas liaison offices*

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International Collaboration & Exchanges

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Recruitment of int'l undergraduate students

- *Recruitment visits by faculty members*
- *Active collaboration with KISA (KAIST International Students Association)*
  - ✓ *http://kisa.kaist.ac.kr*
- *Increase courses offered in English*

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To Realize Campus Globalization

- *Organize various cultural activities for int'l students, faculty, researchers, and their family members*
- *Open International Student Center*
- *Provide Convenience facilities for international students*
- *Designate "International Zone" areas near KAIST campus*

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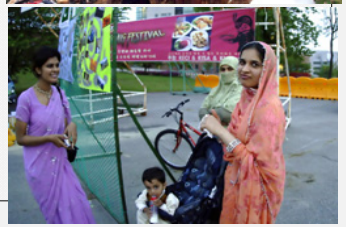
KISS & international activities



KAIST students Activities

Thank you very much for your attention!

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