



Education Collaboration with UAE and KSA

Experience of KAIST

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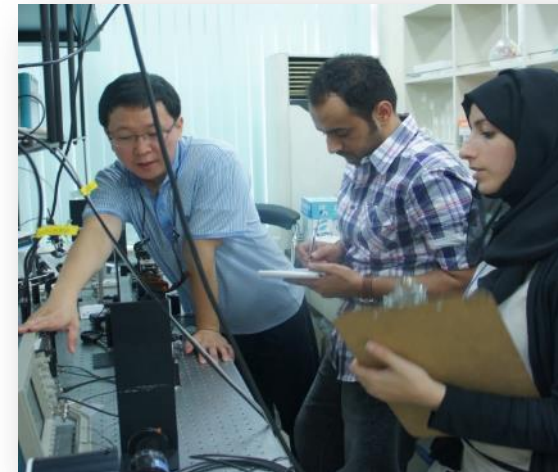
Khalifa University -2010

- **KAIST support for Khalifa University to establish MS Program in Nuclear Engineering**
 - Curriculum and syllabus development
 - Accreditation document preparation
 - Assistance in Khalifa University faculty hiring
- **Dispatch of KAIST faculties**
 - 4 KAIST Nuclear Eng. professors dispatched to Khalifa University for a year to help Khalifa Univ. set up the nuclear engineering program
 - 2 batches 2010-2012
- **Undergraduate education**
 - 40 KU undergraduates visited KAIST (July 2010)



Khalifa University -2011

- **Lectures at ENEC by the KAIST professors dispatched at Khalifa University: PSAR (Preliminary Safety Analysis Report) and Engineering Fundamentals**
- **Graduate program**
 - Accreditation of Nuclear Engineering MS Program at KU and elevation to the department level (March 2011)
 - KAIST Nuclear Engineering professors seconded to KU to replace the four who returned home (September 2011)
 - One KAIST professor loaned to KU to establish cyber security curriculum (September 2011)
 - 3 KAIST Ph.D. students and 1 postdoctoral fellow loaned to KU (March 2011)
- **Undergraduate**
 - 40 KU undergraduates visited KAIST (June 2011)
- **1st annual technical field trip to KAIST**
 - KU nuclear engineering graduate students (July 2011)



Khalifa University -Outcomes

■ Program development

- Curriculum
- Professors hiring
- Teaching
- Supervising researches
 - The first international journal paper authored by a KU student in Nuclear Engineering Department of KU

■ Researches

- Laboratories
- Lab researchers

■ Technical tour

- Korean nuclear facilities

■ Lecture programs

- KAIST-ENEC Global Nuclear Leadership Program
- Internship at KAIST labs

Khalifa University -Today

- Currently we are collaborating for research



2014

Research	No. of Projects	Budget	Research Areas
Joint Int'l Research	15	US\$1,700,000 (by KAIST)	Nuclear Engineering
Seed Money Project	7	US\$470,000 (by KAIST)	Non-Nuclear Engineering (Globally important research areas)
Matching Fund Project	10	10 projects funded by KAIST 3 projects funded by KU	Phase 2 Seed Money projects

The First KAIST alumnus of UAE nationality

- Crown Prince of Abu Dhabi, Sheikh Mohammed, received an Honorary Doctorate Degree from KAIST (May 2010)



K.A. CARE

- **King Abdullah City for Atomic and Renewable Energy**
- **2014 KAIST-K.A.CARE Nuclear Engineering Intensive Course Program**
 - 3-week program
 - Lectures on nuclear physics, radiation application, reactor design and safety
- **Additional education program is under discussion**
- **Education of Saudi students in KAIST is under discussion**
 - Based on recent MOU



Concluding Remarks

- **Collaboration for education requires**
 - Funding
 - Time
 - Understanding
- **Planning phase involvement is important**
 - Human resource development
 - Educational program development
- **Job market**