

## GLOBAL RESEARCH NETWORK

At KAUST, innovation and discovery are not constrained by borders, disciplines, language, or culture. KAUST has engaged in a diverse and unique set of international research partnerships to support its accelerated development and ensure its sustained growth at the highest international standards.

These research collaborations support activities as diverse as faculty recruitment, student recruitment, facilities and laboratory development, and rapidly initiating high-quality research on campus.

KAUST's global network now includes leading researchers, research groups, universities, research institutions, and companies spanning the globe:

## ACADEMIC AND RESEARCH PARTNERS

Academy of Sciences of the Czech Republic  
American University in Cairo  
California Institute of Technology  
Centrum Wiskunde & Informatica  
Chalmers University of Technology  
Chinese University of Hong Kong  
Clemson University  
Colorado State University  
Cornell University  
École Polytechnique Fédérale de Lausanne  
ETH Zurich  
Fraunhofer ITWM  
Georgia Institute of Technology  
Harvard University  
Hong Kong University of Science and Technology  
IBM  
Imperial College London  
Institut Français du Pétrole  
International Medical Center, Jeddah  
Iowa State University  
Jilin University  
King Fahd University of Petroleum and Minerals  
Lomonosov Moscow State University  
Massachusetts Institute of Technology  
National Taiwan University  
National University of Singapore  
Pennsylvania State University  
Princeton University  
Scripps Research Institute  
Stanford University  
Széchenyi István University  
Technische Universität Dresden  
Technische Universität München  
Texas A&M University  
Trinity College Dublin  
University of North Carolina  
University of California  
University of Cambridge  
University of Connecticut  
University of Illinois  
University of Kentucky  
University of Massachusetts  
University of Michigan  
University of Oxford  
University of Rome La Sapienza  
University of South Florida  
University of Stuttgart  
University of Sydney  
University of Texas  
University of Tokyo  
University of Toronto  
University of Wollongong  
University of Wyoming  
Utrecht University  
Woods Hole Oceanographic Institution

## INDUSTRY PARTNERS

Abdul Latif Jameel	Midroc
Acwa Power	Nalco
Alstom	Pall Corporation
BAE Systems	Petro Rabigh
Baker Hughes	Rolls-Royce
Boeing	SABIC
Cristal	Saudi Aramco
Dow	Saudi Binladin Group
Evonik Industries	Schlumberger
General Electric	Shell
GS E&C	Siemens
Halliburton	Sipchem
IBM	Sumitomo Chemical
JGC	Total
Lockheed Martin	Veolia
Lyondellbasell	Xenel
Mars	



Solar cells on top of the Al-Kindi Building at KAUST

## INNOVATION AND ECONOMIC DEVELOPMENT

KAUST is one of the world's first research universities to create an integrated economic development and technology commercialization organization that practices open innovation.

The Economic Development Department is an integral part of the University, committed to developing entrepreneurial and innovative activities that promote industry collaboration. The Technology Transfer and Innovation Program, which manages the University's patent portfolio; the KAUST Industry Collaboration Program, a membership program for companies; the Research Park; and the Innovation Cluster, are just a few elements of our open innovation environment where technology-based businesses can collaborate on research and development with our first class faculty, researchers, and students.

The University's Research Park was named **2012 Emerging Research and Science Park** by the Association of University Research Parks (AURP)



جامعة الملك عبد الله  
للعلوم والتقنية  
King Abdullah University of  
Science and Technology

## KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY



## KAUST – Through inspiration, discovery

King Abdullah University of Science and Technology (KAUST) is a graduate-level research university located on the shores of the Red Sea that engages students, researchers, and faculty in advancing science and technology through collaborative inquiry of regional and global significance. The University's unique matrix structure supports both basic and goal-oriented research to benefit Saudi Arabia and beyond. With an emphasis on computational science, KAUST is committed to cutting-edge research in the areas of:

- Water
- Food
- Energy
- Environment (including the Red Sea)

KAUST's long-term commitment to these areas attracts world-class faculty, students, and researchers who cultivate a dynamic and collaborative environment of bold scientific research and innovation. KAUST is where adventurous and imaginative individuals engage in a journey of intellectual and cultural discovery. Research activity advances scientific and technological knowledge; faculty and scientists are educating a new generation of world class scientists, engineers, and entrepreneurs; and Economic Development is catalyzing the knowledge economy to create future opportunities in Saudi Arabia and beyond.

In 2011, KAUST was named **Lab of the Year** by leading science and technology publication, *R&D Magazine*



## ACADEMICS

KAUST offers the following graduate degree programs:

- **The MS degree**, which typically requires eighteen months to complete.
- **The PhD degree**, which typically takes three to four years after completion of a master's degree and involves original research that culminates in a dissertation.
- **The MS/PhD degree program** is an attractive option for students looking to start their PhD following the completion of their BS degree. The program typically takes four to five years to complete.

Graduate education at KAUST is transdisciplinary and is organized in three broad Academic Divisions, under which the University offers degrees in eleven fields of study:

### BIOLOGICAL AND ENVIRONMENTAL SCIENCES AND ENGINEERING DIVISION

- Bioscience
- Environmental Science and Engineering
- Marine Science

### COMPUTER, ELECTRICAL, AND MATHEMATICAL SCIENCES AND ENGINEERING DIVISION

- Applied Mathematics and Computational Science
- Computer Science
- Electrical Engineering

### PHYSICAL SCIENCES AND ENGINEERING DIVISION

- Chemical and Biological Engineering
- Chemical Science
- Earth Science and Engineering
- Materials Science and Engineering
- Mechanical Engineering

All students receive the benefits of the KAUST Fellowship, the University's scholarship program:

- Full tuition support
- Competitive monthly living allowance
- Housing
- Private medical and dental coverage
- Relocation support



## TRANSDISCIPLINARY RESEARCH

The University's nine mission-driven Research Centers deliver innovative solutions built upon collaborative and interdisciplinary approaches and seek to address the grand challenges of our time in water, food, energy, and the environment. KAUST's Research Centers include:

- Advanced Membranes and Porous Materials
- Catalysis
- Center for Desert Agriculture
- Clean Combustion
- Computational Bioscience
- Geometric Modeling and Scientific Visualization
- Red Sea
- Solar and Photovoltaic Engineering
- Water Desalination and Reuse

The Core Labs and Central Workshops offer state-of-the-art research equipment to support the faculty, scientists, students, and international collaborators in their innovative research at the frontiers of basic and disciplinary science and engineering. The Labs and Facilities include:

- Advanced Computation and Visualization
- Advanced Nanofabrication, Imaging, and Characterization
- Analytical Chemistry
- Biosciences and Bioengineering (Genomics/Proteomics)
- Central Workshops
- Coastal and Marine Resources
- Supercomputing (Shaheen)

These facilities, developed in close consultation with KAUST's global network of partners, provide a platform of support as well as unique research opportunities to KAUST faculty and students, and the broader research community.

