

King Abdullah University of Science and Technology (KAUST), located in Saudi Arabia, is an international graduate-level research university dedicated to advancing science and technology through bold and collaborative research and to addressing challenges of regional and global significance, thereby serving the Kingdom, the region, and the world. KAUST is committed to cutting-edge research in the globally significant areas of Energy, Water, and Food. In addition, KAUST emphasizes research on the Environment and Red Sea, and the discipline of Computational Science and Engineering serves as an enabling technology for all its research activities.

KAUST is located on the Red Sea at Thuwal (80km north of Jeddah). Newly opened in September 2009, KAUST is an independent and merit-based university and welcomes exceptional researchers, faculty and students from around the world. KAUST offers attractive base salaries and a wide range of benefits. Faculty enjoy secure research funding from KAUST and have opportunities for additional funding through several KAUST-provided sources and through industry collaborations. KAUST seeks to hire faculty within Computational Earth Sciences and Engineering in the following areas:

- Computational geomechanics/geochemistry: particular interest in numerical and analytical modeling, and applications to CO₂ sequestration and/or enhanced oil recovery
- Potential fields/EM geophysics: particular interest in global and regional gravity and magnetic field modeling and inversion or interests in EM exploration methodologies, to better understand the Earth's physical behavior.
- Ocean modeling/air-sea interaction: particular interest in global and regional ocean modeling and role of ocean processes in climate variability and change
- Atmospheric chemistry: particular interest in aerosol microphysics and atmospheric chemistry, transport and transformations of optically-active constituents in the troposphere and stratosphere, and their effect on regional and global climate

Applications from exceptional candidates with research interests in other areas of Computational Earth Sciences and Engineering, especially those related to Energy and Water, are also encouraged. An earned Ph.D. in geophysics, engineering, applied mathematics, computational science, or related field, the ability to build a world-class research program, interests in conducting research on interdisciplinary problems in a collaborative and multidisciplinary environment, and a strong commitment to graduate teaching and mentorship are required.

Applications should include a cover letter, curriculum vitae, statements of research and teaching interests, and contact information for at least 3 references for an Assistant Professor position and at least 6 references for an Associate or Full Professor position, and should be submitted as a single PDF file via electronic mail to kaust.aea@ices.utexas.edu. Review of applications will begin immediately and applicants are strongly encouraged to submit applications as soon as possible.

KAUST and The University of Texas at Austin have formed an Academic Excellence Alliance (AEA) partnership to collaborate on research in computational earth sciences and engineering. As part of the AEA, UT-Austin faculty from the Institute for Computational Engineering and Sciences (ICES) serve on the KAUST faculty search committee. However, KAUST will be responsible for all hiring decisions, appointment offers, recruiting, and

explanations of employment benefits. The recruited faculty will be employed by KAUST in the Kingdom of Saudi Arabia and not by UT-Austin. Questions may be directed to Professor Omar Ghattas, Director of the KAUST-UT Austin AEA, at the above e-mail address.

The appointment, promotion and retention of faculty and staff, and all the educational and administrative activities of the University shall be conducted on the basis of equality, without regard to race, color, religion or gender.