

King Abdullah University of Science and Technology
Clean Combustion Research Center
<http://ccrc.kaust.edu.sa>

Faculty Openings in Experimental Combustion/Internal Combustion Engines

The Clean Combustion Research Center (CCRC) and the Mechanical Engineering (ME) Program at King Abdullah University of Science and Technology (KAUST) invites applications for two faculty positions to begin in the Fall of 2014. The appointed faculty members are expected to actively participate in the teaching and mentoring of graduate students, as well as to conduct research synergistically with existing faculty and staff members at CCRC and the ME Program.

The candidate should have a Ph.D. in mechanical engineering or related field, with strong backgrounds in fundamental disciplines and research topics of current relevance including, but not limited to:

1. **Experimental Combustion:** This position is open to all ranks, including junior and senior-level appointments. Research areas include advanced diagnostics, flame structure, spray combustion, emissions, and new concepts in combustion.
2. **Internal Combustion Engines:** This position is open to all ranks, with priorities given to senior-level appointments. Research areas include advanced low temperature combustion engines, spray, emissions, fuel characterization and blending effects, pre-ignition and super-knock in gasoline direct injection engines, and new concepts.

All applicants are required to complete the online application form, which can be accessed at (<http://pse.kaust.edu.sa/Pages/Home.aspx>). All application materials should be collated into a single pdf file for upload. To prevent any delays in reviewing your application, please ensure that your documentation is complete with (a) updated curriculum vitae with a full list of publications, (b) statement of research, (c) statement of teaching, and (d) a minimum of four references with contact details.

The CCRC (<http://ccrc.kaust.edu.sa>) has rapidly grown to be a world-class research institution with seven faculty members and over sixty researchers, conducting basic and applied research in the field of combustion. The experimental facilities include two shock tubes, a rapid compression machine, and a large number of laminar and turbulent flame burners, all equipped with advanced diagnostic techniques. The engine research laboratories house a number of optical and metal research engines. Computational research utilizes the Shaheen Blue Gene/P supercomputer and a number of Linux clusters.

KAUST (<http://kaust.edu.sa>) is an international graduate-level, merit-based research university dedicated to advancing science and technology through cutting-edge research. With a student body representing over 70 nations, KAUST attracts world-class faculty, scientists, engineers, and students to conduct fundamental and goal-oriented research to address challenges of regional and global significance. Located on the Red Sea coast of Saudi Arabia, KAUST offers state-of-the-art research facilities, generous assured research funding, and internationally competitive salaries.