



Job Opening for a Post-Doctoral Fellow in Laser Diagnostics

Job description

A postdoctoral position is available in the Chemical Kinetics and Laser Sensors Laboratory at King Abdullah University of Science and Technology (KAUST). Candidates with experience in one or more of the following research areas are encouraged to apply:

- (1) Non-linear optical methods
- (2) Frequency-comb spectroscopy
- (3) Absorption spectroscopy

The project is aimed at developing spectrometer in the mid-IR range for application to fast chemical processes. The work will be carried out collaboratively among KAUST, Politecnico di Milano, and Laval University. The post-doctoral fellow will be expected to spend time at the three collaborating institutes. Postdoctoral Fellowship is initially offered for 2 years with possible extension for another year.

Qualifications

Successful candidate must have a Ph.D. in a related field with experience in one or more of the aforementioned areas of research.

Contacts, application material and deadline

Interested applicants should send (i) a detailed CV, (ii) contacts of three references, (iii) three research articles to Prof. Aamir Farooq at aamir.farooq@kaust.edu.sa

Deadline for application submission: March 30, 2022

About

The Chemical Kinetics and Laser Sensors Laboratory (<http://kinetics.kaust.edu.sa>) carries out research in the areas of energy, chemical kinetics, spectroscopy and laser diagnostics. We focus on the development of advanced experimental techniques and apply these to understand fundamental processes in traditional and renewable energy-conversion devices. Our group develops laser-based sensors for applications to chemistry, environmental-monitoring and biomedical.

King Abdullah University of Science and Technology (KAUST, <http://www.kaust.edu.sa>) is an international graduate-level, merit-based research university dedicated to advancing scientific and technological education and research, acting as a catalyst for innovation, economic development and social prosperity in the region and the world. Our research strives to enhance the welfare of society with a special focus on four areas of global significance – food, water, energy and the environment. Based near Jeddah, Saudi Arabia, KAUST has attracted top-notch faculty and staff from all over the world, with more than 80 nations represented on campus. Employees are very well looked after, with packages including tax-free salary, relocation assistance, accommodation and healthcare provisions.