

Subject: PhD student positions in Stochastic Numerics, KAUST for a joint project with EPFL, NUS and Oak Ridge.

Several PhD student positions at the Stochastic Numerics Research Group within the Applied Mathematics and Computational Sciences Program of the King Abdullah University of Science and Technology (KAUST) in Saudi Arabia are currently available with a starting date of April 1, 2016, or earlier. As a part of their PhD studies, the candidates will be involved in a three-year project on multilevel techniques for predictive simulation and uncertainty quantification. Background or expertise in one or more of the following areas will be considered when selecting candidates: Numerical solutions of PDEs, Uncertainty quantification, Scientific computing, Applied Probability and Bayesian statistics, Verification and validation for computer simulations.

Strong interpersonal qualities from the candidates will be appreciated as they will be working in a highly collaborative project and will be expected to spend a part of the time at the collaborating institutions.

Qualifications: A successful candidate preferably has completed a MSc in the field of applied mathematics or computational engineering, or in any related to one or more of the aforementioned areas of research. Good computational and programming skills will be expected.

Application and benefits:

The stipend for PhD students at KAUST is highly competitive (USD \$30,000 to \$40,000 per year, with no income tax paid to the Kingdom of Saudi Arabia). Benefits include medical and dental insurances, air transportation to KAUST, one round-trip airline ticket per year to visit home country, and free housing while at KAUST.

Contacts, application material and deadlines: Interested applicants should send their application to Raul Tempone at

raul.tempone@kaust.edu.sa with Cc to MariaLeticia.GarciaPozzi@KAUST.EDU.SA

A successful application to our group should be prepared as described here:

https://docs.google.com/document/d/1Wk4-Q1_BgEUCoWzJGOkI_s1hJVnfJmdUELhxA0JQVro/edit?usp=sharing

Successful candidates will still have to go through the KAUST application system for final approval. For more information, please see the KAUST application forms here:

<http://www.kaust.edu.sa/application-form-kaust.html>

These positions will remain open until filled, but the candidate is expected to join the team on April 1, 2016.

About KAUST. King Abdullah University of Science and Technology (KAUST) is an international, graduate-level research university, located on the Red Sea near Thuwal, 80 kilometers (50 miles) north of Jeddah, in the Kingdom of Saudi Arabia. Dedicated to inspiring a new age of scientific achievement that will benefit the region and the world, KAUST has the mission of exemplifying the future of world-class research. More details are available at www.kaust.edu.sa.

About the KAUST UQ Center. The UQ Center is funded under KAUST's Strategic Research Initiative. Its mission is to: (1) advance the state of the art in Uncertainty Quantification (UQ), Validation and Verification (VV) methods, algorithms, and software; (2) enable high-impact applications, including (i) green wireless communications, (ii) complex multi-scale electromagnetic systems, and (iii) reactive computational fluid dynamics; (3) train graduate students and post-docs in methodologies and applications; (4) establish and maintain synergistic collaborations with leading organizations world-wide; and (5) disseminate research results and pursue technology transfer both to the private and public sectors. More details are available at <http://sri-uq.kaust.edu.sa>