

Postdoctoral Position Available in United Arab Emirates on Acoustic Absorption and Vibration Damping

A Postdoctoral Research Fellow position is available immediately in the Advanced Digital & Additive Manufacturing (ADAM) Center at the Khalifa University of Science and Technology in Abu Dhabi in United Arab Emirates. Applicants should demonstrate research capabilities in investigating the acoustic absorption, vibration damping, and mechanical behavior of structural systems made of architected lightweight cellular materials and composites. This project is funded by the known French company Dassault Aviation as there will be close and unique collaboration with the engineers at Dassault.

The ideal candidate must have a PhD in a relevant discipline (Engineering Mechanics, Mechanical Engineering, Aerospace Engineering, Materials Science and Engineering, or other relevant Engineering discipline), and an established track record evident by publication in top quality journals.

About Khalifa University:

Khalifa University is ranked 181st in the QS World University Rankings 2023, and the top University in the UAE, with a range of research and academic programs designed to address the entire range of strategic, scientific and industrial challenges facing our rapidly evolving world. Its world-class faculty and state-of-the-art research facilities provide an unparalleled learning experience to students from the UAE and around the world. Our research and academic activities cover a broad range of disciplines in engineering, science and medicine through our three colleges.

About Advanced Digital & Additive Manufacturing (ADAM) Center:

The ADAM center serves as an R&D and educational facility in the area of additive manufacturing (AM), commonly-known as 3D printing, and it is a platform to provide support to industries across the UAE to be at the forefront of the fourth industrial revolution. ADAM is the first R&D center in UAE focusing on 3D printing. The center includes research and educational activities that cover the full spectrum of AM including digital design through topology-optimization, understanding and optimizing 3D printing processes for enhanced properties of printed parts and performance, development of materials (filaments, resins, powder) for AM, and utilizing AM as a manufacturing technique for fabricating architected metamaterials and lightweight structural systems that could not be achieved through conventional manufacturing techniques.

Package:

The position will offer a **very competitive** salary package (tax-free) including housing allowance, relocation and repatriation tickets to home country, and health insurance. The position will be for an initial duration of 12 months (or up to 3 years depending on the candidate background) and extendable depending on performance.

Application submittal information:

Only applications providing all application requirements will be further considered. These requirements should be numbered and attached to the application following this order:

- applicant name and contact information,
- a curriculum vitae including list of publications, awards, with potential start date,
- Short statement of previous work and a description of your vision and your research plan on that field (no more than one A4 page – but should be very high quality). It should clearly highlight a vision of the candidate in the field, a prior understanding of the related literature and the definition of key steps towards innovative results in the field. [This document will be a key element for the decision process towards recruitment.](#)
- e-mail and contact information for at least two references.

Materials must be submitted electronically to **Prof. Rashid K. Abu Al-Rub** (rashid.abualrub@ku.ac.ae) specifying in the **e-mail subject** “**Postdoctoral-Acoustic&Vibration**”. Review of applications will begin immediately and continue until the position is filled. The candidate is expected to start at the earliest possible date. While we thank all applicants for their interest, only those under consideration will be contacted for a follow-up interview.