

PhD Position Available at Khalifa University: Characterizing the Failure Modes of Flexible Skin for Morphing Wings

A PhD position is available in the aerospace department at the Khalifa University of Science and Technology in Abu Dhabi in the United Arab Emirates. The project focuses on characterizing the failure modes of flexible skin and their supporting structures for morphing wing applications. Those with a background in **aerospace structures, composites material, fatigue and damage accumulation, morphing wings, and compliant/flexible structures** are encouraged to apply.

About Khalifa University:

The newly-established Khalifa University of Science and Technology combines The Masdar Institute of Science and Technology, Khalifa University of Science, Technology and Research and The Petroleum Institute into one world-class, research-intensive institution, seamlessly integrating research and education to produce world leaders and critical thinkers in applied science and engineering. Khalifa University endeavors to be a leader among research intensive universities of the 21st century, while catalyzing the growth of Abu Dhabi and the UAE's rapidly developing knowledge economy.

Khalifa University ranked 1st in Middle East and 15th in Emerging Economies in latest Times Higher Education Rankings. The subject rankings in 'Engineering and Technology', second in the 2018 The Arab World University Rankings, and 32nd out of 359 Asian universities in the 2018 THE Asia University Rankings.

Requirements:

The ideal candidate will have an MSc and BSc in a relevant discipline (Aerospace Engineering, Mechanical Engineering, Engineering Mechanics, Material Science). Expertise in one or more of the following areas is a must: **mechanics of composites, aerospace structures and material, fatigue and damage accumulation, morphing wings, and compliant/flexible structures**.

Package:

The PhD student will receive competitive stipend and health insurance.

Application submittal information:

- Please send your detailed CV, transcripts, GRE and TOEFL/IELTS to Dr Rafic Ajaj (rafic.ajaj@ku.ac.ae).
- Please provide a research statement with your CV.
- Please list at least three references and include your publications in the CV.
- The review of candidates will begin immediately and continue until the position is filled.