

**Job Title: Ph.D. Studentship at the Department of Architectural Engineering, College of Engineering.**

A position for a Ph.D. studentship is available in the Department of Architectural Engineering at the College of Engineering, United Arab Emirates University. The research focuses on parametric design and optimization of outdoor structures and digital fabrication. In particular, the research will investigate several parametric design patterns and their application in digital fabrication technology for better adaptation to external climate conditions in UAE. The research will also explore the possibility of utilizing this structure to have a positive impact in improving positively improve Outdoor Thermal Comfort and reduce surface temperature with the aim to be applied and used in the industrial sector, including the construction industry.

In addition to a strong background in the above-mentioned areas, candidates should be motivated, hard-working, and well experienced in Python Language, in Rhino/Grasshopper, and digital fabrication tools. The candidate should have the ability to conduct innovative research in the field of modeling and simulation, and digital fabrication. The ideal candidate should have excellent experience in conducting tests for various prototypes in optimized pattern built by digital fabrication materials. The minimum requirements to be accepted to the United Arab Emirates University Ph.D. program are:

- An MSc degree with a minimum GPA of 3.0 out of 4 and a BSc degree with a minimum GPA of 3.5 out of 4.
- Must have published at least one peer-reviewed journal article in a reputed journal. More publications and conference presentations will be a plus.
- Ability to work independently with flexibility and initiative-based approach.
- Ability to be innovative and creative.
- Professional and personal skills for completing the doctoral degree within the required timeframe.
- Two recommendation letters.

English Requirement: A minimum IELTS score of 6.5.

Starting Date: Fall 2023

Special Instructions to Applicant: Candidates are requested to submit a detailed CV, IELTS score, and their BSc and MSc degrees and transcripts (GPA scaled out of 4.0) to: lindita.bande@uaeu.ac.ae.

If accepted, the Ph.D. candidate may be supported by the United Arab Emirates University for 4 years with stipend, full tuition fee waiver, and health insurance. For more detail about scholarships, see the following link: <http://www.uaeu.ac.ae/en/cgs/scholarship.shtml>. The United Arab Emirates is an open and tolerant society and clearly one of the most attractive places to live and work in the Middle East. The United Arab Emirates University is situated in the City of Al-Ain, which is known as the "Garden City of the Gulf". Al-Ain city is located around an ancient oasis, which have a history of settlement going back over 5000 years. Abu Dhabi and Dubai cities are only an hour and a half drive away from Al-Ain. For more information, you may see the United Arab Emirates University website (<https://www.uaeu.ac.ae/en>). Only highly qualified candidates will be contacted.