

Dr Moura Mehravar

Lecturer, Civil Engineering at Aston University

Birmingham, , GB

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Biography

Dr Mehravar has extensive research experience in the field of computational mechanics and experimental modelling applied to geotechnical engineering problems. This includes multi-phase modelling of geo-structure in particular geo-energy infrastructure such as energy piles and foundations of offshore wind turbines and is experienced in the use of biomaterials for ground engineering/improvement. She has worked on several research projects related to renewable energy and particularly on innovative and novel solutions for foundations of offshore wind turbines. She is also interested in smart infrastructure including (i) the use and development of novel sensing technologies (fibre optic sensors) for ground engineering and (ii) development of innovative and efficient approaches for condition assessment of existing infrastructure and sustainable design of new infrastructure. Dr Mehravar joined Aston University in 2017 as a Lecturer (Assistant Professor) in Civil Engineering at the College of Engineering and Physical Science. Prior to that, she was a postdoctoral research fellow at the Loughborough University. She has published more than 20 research papers in prestigious journals and international conferences.

Areas of Expertise

Smart Infrastructure, Energy Geotechnics, Offshore Geotechnics, Computational Mechanics, Numerical Analysis, TA Engineering (General). Civil engineering (General), Geotechnical Engineering, Renewable Energy, Sustainability, CO2 Storage, Reservoir Engineering

Affiliations

Fellow of the Higher Education Academy (FHEA)

Education

Higher Education Academy
FHEA

University of Greenwich
PhD Geotechnical Engineering

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