Is dynamics just earthquake engineering?

Speakers:
Kyriaki Gkoktsi, Avi Shonberg, Matthew Squire

Chair: Sarah Tallett-Williams

Networking to follow

Location: Institution of Civil Engineers
31.10.18 6PM
Synopsis

Dynamic engineering is too often used to refer to earthquake engineering. However, many of the young members are dynamic engineers of a different and widely varied nature. We aim to highlight the breadth of dynamics as well as the work and research currently being performed by three of our young members in vibration, offshore and blast engineering. After the evening talks, there will be networking in the ICE bar.

Speakers

**Kyriaki Gkoktsi**  
AKTII

Dr Kyriaki Gkoktsi is currently a Structural Design Engineer within the engineering consultancy AKTII. She obtained her PhD from City, University of London on the multi-disciplinary topic “Compressive Techniques for Sub-Nyquist Data Acquisition & Processing in Vibration-based Structural Health Monitoring of Engineering Structures”, focusing on advanced signal processing and structural dynamics. During her academic career, Dr Gkoktsi was a research fellow in two international projects funded by EPSRC and FP7, with research findings published in eminent journals and conference proceedings. She is a Chartered Civil Engineer of the Technical Chamber of Greece, an Associate Fellow of the Higher Education Academy, and a member of SECED, ASCE, and the Hellenic Society for Earthquake Engineering.

**Avi Shonberg**  
Ørsted

Avi Shonberg is a Lead Geotechnical Engineer at Ørsted in London. He joined Ørsted in 2014 after completing the MSc in Soil Mechanics at Imperial College London. Since joining Ørsted, he has been involved in many aspects of foundation design for offshore windfarm developments in the UK, Germany, the USA and Taiwan. This has included scoping of offshore site investigations, scoping of laboratory testing programs, extensive involvement in detailed design works for both suction buckets and jacket piles and back analyses of the performance of structures currently operating in the offshore environment. A key focus has been the detailed design and installation of suction buckets as a foundation solution to support offshore wind turbines, with 20 suction bucket jackets recently being installed at Ørsted’s Borkum Riffgrund 2 offshore wind farm in the German sector of the North Sea.

**Matthew Squire**  
Atkins – SNC Lavalin

Matt Squire is a chartered mechanical engineer working in the Engineering Technology department of Atkins. As part of his degree at Loughborough University, Matt completed a dissertation on the computational modelling of blast and its effects of structures. During his time at Atkins, Matt has worked on a variety of projects including the façade design of Farringdon Crossrail station, blast door design and seismic analysis of nuclear structures. He has recently returned from two years in France seconded to the ITER project leading the mechanical design of heavy nuclear doors.

Institution of Civil Engineers – One Great George Street, Westminster, London SW1P 3AA

Non members of the society are welcome to attend.

Please note that there is no charge to attend.
Seats are allocated on a first come, first served basis.
Tea and biscuits will be served from 5.30pm to 6.00pm

For further information please contact Shelly-Ann Russell Events Executive at the ICE, on Tel: +44 (0) 20 7665 2147 or Email: seced@ice.org.uk