

REGISTRATION FORM

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I wish to register for the Course at a cost of £650 including course material and course lunches.

I enclose a cheque for £650

Please invoice me at the above address

Please send me information on local hotels

Disclaimer

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I accept the above.

Signature _____

Date _____

completed forms should send to
info@asranet.co.uk

Cost

The registration fee of the workshop will be £650 which includes course notes and lunches. You should make your own arrangements for accommodation.

Payment

Payments can be made by cheque (made payable to ASRANet Ltd.), cash or bank transfer but no card payments. Please enquire for details.

Venue

ASRANet Ltd.
St Georges Building
5 St Vincent Place
Glasgow, G1 2DH
Scotland, UK

Note

Please do not make your travel arrangements until you receive an Invoice from us.

Contact

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Nuclear Power Plant: Structural Response

5-6 December 2017



Glasgow, UK

PROGRAMME

Tuesday 5th December 2017

08.30-09.00 Delegate Registration

09.00-10.30 **Lecture 1: Structural Non-Linear Analysis - I**
Prof Chris Pearce

10.30-11.00 *Break*

11.00-12.30 **Lecture 2: Structural Non-Linear Analysis - II**
Prof Chris Pearce

12.30-13.30 *Lunch*

13.30-15.00 **Lecture 3: Structural Non-Linear Analysis – III - Examples**
Prof Chris Pearce

15.00– 15.30 *Break*

15.30-17.00 **Lecture 4: Review of Structural Software used in Nuclear Industry**
Prof Chris Pearce

Wednesday 6th December 2017

09.00 – 10.30 **Lecture 5: Methods of seismic hazard assessment for nuclear sites**
Dr Domenico Lombardi

10.30 – 11.00 *Break*

11.00-12.30 **Lecture 6: Probabilistic seismic risk assessment of a nuclear reactor - I**
Dr Domenico Lombardi

12.30-13.30 *Lunch*

13.30 - 15.00 **Lecture 7: Probabilistic seismic risk assessment of a nuclear reactor - II**
Dr Domenico Lombardi

15.00 - 15.30 *Break*

15:30 - 17:00 **Lecture 8: Load induced thermal strain in concrete containment structure of nuclear reactors**
Dr Partha Mandal

CV's of Lecturers:

Professor Chris Pearce is a Professor of Computational Mechanics and hold the Royal Academy of Engineering / EDF Energy Research Chair at Glasgow. He graduated from the University of Wales Swansea in Civil Engineering in 1992. This was followed by an MSc and PhD from the same University. His first academic appointment was as a lecturer at the University of Glasgow. He was promoted to Professor in 2010.

He is currently Head of the Infrastructure and Environment Research Division and Convenor of Research for the School of Engineering.

He is a Fellow of the Institution of Civil Engineers and a Chartered Engineer.

Dr Partha Mandal is a senior lecturer in the School of Mechanical, Aerospace and Civil Engineering at the University of Manchester. He did his undergraduate degree in Civil Engineering from National Institute of Technology Durgapur (India), followed by a master degree in Structural Engineering at Indian Institute of Technology Kanpur. His PhD research at Cambridge University involved a classical problem on buckling of shell structure. He provided a new explanation for the well-known paradoxical behaviour of buckling of cylindrical shells under axial compression. Besides structural engineering, his current research areas include Bio-engineering, Mechanics of Woven Composites. These involve various analytical as well as experimental techniques. He leads the Bio-engineering research theme in the School. He has completed supervision of 17 PhD students so far, and currently supervising 12 PhD students. His current administrative and professional roles include - Undergraduate Civil Engineering Programme Director, Co-Director of Manchester Institute for Collaborative Research on Ageing (MICRA).

Dr Domenico Lombardi is currently a lecturer in Geotechnical engineering at The University of Manchester. After graduating with a first class honours (with distinction) in Civil Engineering from the University of Sannio (Italy), Domenico moved to the University of Bristol to finish his postgraduate studies, first with an MSc in Offshore Engineering and then with a PhD in Earthquake Engineering. His doctoral studies focused on the effects of soil liquefaction on the dynamic behaviour of pile-supported structures. Before joining The University of Manchester, he was appointed as a Foreign Researcher in the Department of Civil and Environmental Engineering at Yamaguchi University (Japan), where he investigated the cyclic behaviour of soils and conducted a series of field surveys in the area hit by the 2011 Tōhoku earthquake and subsequent tsunami. Domenico is author of over 20 publications focusing on different civil engineering problems, including long-term performance of offshore wind turbines and design of structures in liquefiable soils. His main research interests are in geotechnics and structural dynamics, related to problems of offshore engineering and behaviour of structures under repetitive loading