

Seismic Qualification

Testing and Analysis of equipment and plant for earthquake and other kinds of dynamic environmental loads

Friday 10 September 2010

Earthquake Engineering Research Centre, University of Bristol



Earthquake and other dynamic loads effect not only Civil Engineering structures but also all the equipment and plant contained within them. These artefacts also need to be designed and operated so that they can withstand their loads. This process is generally described as 'Seismic Qualification', and may include analysis, physical testing and reference to databases of previously qualified similar equipment.

Seismic qualification is a core activity within the nuclear and telecommunication industries, and is equally important in other safety and mission critical industries that must cater for earthquake and other severe dynamic environmental loads. There are many international standards for seismic qualification.

This seminar will present an overview of the seismic qualification process, from assessing the need, through developing the qualification specification, to conducting a typical seismic qualification test. Delegates will be able to witness a typical mock seismic qualification test on Bristol University's multi-axis shaking table.

This seminar will be lead by Professor Colin Taylor BSc PhD CEng FICE, Head of Department of Civil Engineering and Professor of Earthquake Engineering, University of Bristol.

Price: £150 Inc VAT

To book a place and for any enquiries please contact the ICE SW Conference Co-ordinator Charlotte Snooks:

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CPD: This event may be considered for contributing to a recognised Continuing Professional Development (CPD) scheme as part of personal development. Delegates should check their individual scheme requirements.