

CPD Event 2017

Engineering Design for Safe Construction

Queen's University Belfast – Wednesday 26th April 2017

A ½ day seminar organised by

The Institution of Structural Engineers Northern Ireland Regional Group

Course Synopsis

Construction remains the most dangerous industry for workers, who suffer illness, injury, and death in far greater proportions than other industries. Importantly, few Structural or Civil Design Engineers possess sufficient expertise in construction safety. *Engineering Design for Safe Construction* will focus on the requirements and obligations during the design phase to consider the safety of workers who will be constructing the project, examining structured processes and best practice.

Mr Charles Hutchison will deliver talks covering statutory duties in design, CDM 2016, Corporate Manslaughter Act, the Health & Safety at Work Act, Safety in Design Best Practice and the role of the Health & Safety Executive. Charles will address health and safety needs in the Engineering design process to prevent or minimize work related hazards and risks associated with the construction process.

Angus Cormie will deliver two talks; Design for Construction Part 1 will look at a variety of ways that design at the front end could influence the end product while the contractor realises the design of the designer. Part 2 looks more specifically at methods of preassembling components into parts, or the whole of the structure, for safety, speed of construction and cost effectiveness. This can also impact on the early design but often requires temporary works within the structure to accommodate the reverse loadings which can be imposed during the build process.

The Course will run from 1.00pm to 7.00pm approximately. Registration and lunch commences from 12.00pm.

Speakers:

Mr Charles Hutchison MBE, BSc, LLB, CEng FICE, CFIOSH, MCQI CQP, Cert CII, Charles Hutchison Consulting

Mr Charles Hutchison established Charles Hutchison Consulting which is now one of Northern Ireland's leading construction health & safety training and consultancy businesses. Charles is Principal Auditor on the International Register of Certificated Auditors (IRCA) and a senior Safe T Cert Auditor which is a UK recognised SSIP approved third party accredited Health & Safety Management Scheme. In 2008 he was selected by the British Standards Institution to act as the UK Health & Safety Auditing Expert on Technical Committee 176 of the International Standards Organisation (ISO) for the revision of ISO 19011. Charles is currently Chair of the NI Branch of the Institution of Civil Engineers specialist Health & Safety Group.

Mr Angus Cormie, BSc CEng FStructE FICE FIES, MWeldI, Chief Engineer, J&D Pierce Contracts Ltd

Mr Angus Cormie has many years' experience in the design and construction of building structures with consulting engineers, main contractors, manufacturers and specialist sub-contractors. He is Chief Engineer at J&D Pierce, one of Scotland's largest steel fabricators and has been a Board and Council Member of IStructE. He was chair of the Papers Awards Panel for many years and was recently Chair of the Design Practice Committee and on the Engineering Leadership Group. Angus served two terms on SCOSS and is currently a Director of SER Ltd. He has spoken regularly to the Regional Groups on a variety of design and construction related topics and was the executive editor of the recent IStructE publication on Structural Design, *Achieving Excellence*.

Fee: £50 per delegate to include refreshments and sandwiches (VAT not Applicable)

Note: Places are only confirmed upon receipt of remittance

Registration form

Please enrol me on the ½ day seminar: - *Engineering Design for Safe Construction* at Queen's University Belfast on Wednesday 26th April 2017, 12pm to 7pm.

Name

Organisation.

Address

Tel. No.

E-mail.

Our preferred payment method is by BACS transfer. An invoice with payment instructions will be issued upon receipt of your booking form. If paying by cheque, please enclose a cheque, payable to 'IStructE – NI Regional Group', with your booking form.

Places are limited. Please forward applications by **Friday 21st April 2017** to: -

Mr Roger Knipe: Doran Consulting, Norwood House, 96-102 Great Victoria Street, Belfast, BT2 7BE

The Institution of Structural Engineers

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