

Diary dates

Unless otherwise stated, evening technical meetings start at 18:00 (with refreshments from 17:30) and are free of charge to attend. Registration is required via events@istructe.org

History Study Group meetings start at 18:00 with refreshments from 17:30. Registration is not required except for the Annual Business Meeting held in January.

CPD courses are held at HQ unless otherwise stated. Times and costs vary.



Note that more current information may be available from the Institution website: www.istructe.org/events-and-awards

Regional Group Committee members should submit details of forthcoming events to: regionsupport@istructe.org

MEETINGS AT HQ

47–58 Bastwick Street, London
EC1V 3PS, UK

CPD COURSES

(Held at Institution HQ unless otherwise stated)

Wednesday 1 – Thursday 2 February

Understanding Structural Behaviour (two days)
Dr David Brohn
Engineering Training Centre, 4
Europa View, Sheffield Business Park,
Sheffield S9 1XH
10:00–17:30

Cost: £450 + VAT (Members), £585 + VAT (non-members)

Booking: www.istructe.org/cpd-courses

Wednesday 8–Thursday 9 February

The drawing gym for engineers (two days)
Trevor Flynn
10:00–17:30

Cost: £450 + VAT (Members); £585 + VAT (non-members)

Booking: www.istructe.org/cpd-courses

Thursday 2 – Friday 3 March

Understanding Structural Behaviour (two days)
Dr David Brohn
Pick Everard, Halford House, Charles

Street, Leicester LE1 1HA
10:00–17:30
Cost: £450 + VAT (Members), £585 + VAT (non-members)
Booking: www.istructe.org/cpd-courses

Thursday 23 March

Bid winning skills
Robin Lines
Cost: £275 + VAT (Members); £350 + VAT (non-members)
10:00–17:30

Booking: www.istructe.org/cpd-courses

Wednesday 29 – Thursday 30 March

Understanding Structural Behaviour (two days)
Dr David Brohn
Cost: £450 + VAT (Members), £585 + VAT (non-members)
Booking: www.istructe.org/cpd-courses

HISTORY STUDY GROUP

Tuesday 7 February

Arched viaducts
Bill Harvey

Thursday 16 February

Sutherland History Lecture – A Decade in the Life of the Clifton Suspension Bridge
John Rees, Aogan Mulcahy and Robert Mackean

Lecture: free; Dinner: £70
Registration/refreshments: 17:30;
Lecture: 18:00
Booking: www.cvent.com/events/james-sutherland-history-lecture/registration-453b30b32a6841fb94db24c8ad5f494d.aspx

Tuesday 21 March

The structure of the Georgian London house
Paul Bell

Tuesday 25 April

Sir John Wolfe Barry: Tower Bridge to the BSI – engineering pathways
Nick von Behr

Tuesday 16 May

William Marriott: engineer of a Norfolk railway and a pioneer of reinforced concrete
Alan Hayward

Tuesday 13 June

The Chain Bridge, Budapest
Sandor Vaci and John Vignoles

REGIONAL GROUPS

Bedfordshire and Adjoining Counties

Wednesday 1 March

Cornwall Energy Recovery Centre
Adam Gordon and Martyn Gallimore

Engineering Department, University of Cambridge, Trumpington Street, Cambridge CB2 1PZ
18:00 for 18:30
(CPD contributing event)

Secretary: A. Hayle
(tel: 01908 669898; email: HayleA@rpsgroup.com)

Chester & North Wales

Thursday 2 February

Frodsham Wind Farm
Stephen Snowdon and Jonathan England
Holiday Inn Chester (South), Wrexham, Chester CH4 9DL
18:00 for 18:30
Contact: james.drew@ramboll.co.uk

Thursday 23 February

Tate Modern Extension
Martin Burden
Holiday Inn Chester (South), Wrexham Road, Chester CH4 9DL
18:00 for 18:30

Secretary: James Drew (email: james.drew@ramboll.co.uk)

East Anglia

Monday 6 February

An Offshore Engineering

Challenge
Matthew Byatt
The All Saints Hotel (formerly the Suffolk Golf Hotel & Spa), Fornham St Genevieve, Bury St Edmunds IP28 6JQ
18:30

Wednesday 22 March

Onshore Wind Farms (joint meeting with ICE)
James Callerby
The Oaklands Hotel, 89 Yarmouth Road, Norwich NR7 0HH
18:00
Contact: Michelle Hughes (email: michellehughes@canhamconsulting.co.uk)

Tuesday 9 May

Guests Evening – A guided tour of Sizewell B
Sizewell B Power Station, EDF Energy, Leiston, Suffolk IP16 4UR
18:30
Meet at the Visitors Centre at 18:30 prompt
Booking by 31 March 2017 to enable security checks to be carried out
Places are limited will be 'first come, first served' basis
Contact: Paul Wilson

Secretary: Paul Wilson
(tel: 01603 614 834; email: paul.la.wilson@ntlworld.com)

Lancashire and Cheshire

Tuesday 7 February

Lessons from Failures
Allan Mann
Renold Building, University of Manchester, Altrincham St, Manchester M1 7JA
18:30

Thursday 16 February

CPD: Temporary Works (Course)
Peter Pallet
Clifford Whitworth Building, The Crescent, Salford M5 4WT
16:00
Details: cpd@istructe.com

Thursday 23 February

Annual General Meeting
Hunter Lyden
Arup, 6th Floor, 3 Piccadilly Place, Manchester M1 3BN
18:30

Tuesday 14 March

Graphene (joint meeting with MAE)
Paul Wiper
Hough End Centre, Mauldeth Rd W, Chorlton, Manchester M21 7SX
18:00 for 18:30

Thursday 23 March

Albert Dock Inter Pro Lecture Series
Anthony Clarke and John Hinchliffe
Location: TBC
18:00

Tuesday 28 March

The Work of the Greater Manchester Police Counter Terrorism Security Advisors
Renold Building, University of Manchester, Altrincham St, Manchester M1 7JA
17:45 for 18:30

Thursday 6 April

Conceptual design process (CDP) – Structural concepts
Roger Westbrook
Clifford Whitworth Suite, University of Salford, 43 Crescent, Salford M5 4WT
16:00

Wednesday 19 April

Modular FRP bridges (joint meeting with ICE)
Dr Lee Canning
Foster Building, 58, University of Central Lancashire, Preston PR1 2HE
18:00 for 18:30

Tuesday 25 April

The Brian Bogle Memorial Lecture: i360
Dr John Roberts
University of Bolton, Deane Campus, Deane Rd, Bolton BL3 5AB
17:45 for 18:30

Tuesday 16 May

Bridges to Prosperity
Speaker: TBC
Renold Building, University of Manchester, Altrincham St, Manchester M1 7JA
17:45 for 18:30

Thursday 1 June

CPD: Routes to Membership
Darren Byrne & Jonny Yusuf
Clifford Whitworth Suite, University of Salford, 43 Crescent, Salford M5 4WT
16:00

Tuesday 6 June

Princess Street Development – Manchester
Mike Newman
Renold Building, University of Manchester, Altrincham St, Manchester M1 7JA
17:45 for 18:30

Secretary: Ian Tickle (email: ian.tickle@nuvia.co.uk)

Midland Counties

Tuesday 28 February

Durability of concrete car parks (joint meeting with The Concrete Society)
Professor Peter Robery
Room G34, School of Civil & Mechanical Engineering, University of Birmingham B15 2TT
18:00 for 18:30
Details: Prashant Sikka (email: prashant.sikka@gmail.com)

Tuesday 28 March

Joint meeting with ICE West Midlands
Keith Clarke CBE
Room G34, School of Civil & Mechanical Engineering, University of Birmingham, Birmingham B15 2TT
18:00 for 18:30

Tuesday 25 April

The structural engineer as expert witness
Brian Clancy
Room G34, School of Civil & Mechanical, University of Birmingham, Birmingham B15 2TT
18:00 for 18:30

Secretary: Mitchell Gray (email: mitchell.gray@entrust-ed.co.uk)

North Thames

Thursday 2 February

Meet the President: Talk & Reception – 'Going for Gold in Changing World'
Ian Firth
Room 164, Skempton Building, Imperial College London, Exhibition Road, London SW7 2AZ
18:00
Contact: norththamesistructe@gmail.com

Secretary: Craig Buchanan (email: craigb6@gmail.com)

Northern Counties (Tyneside)

Tuesday 7 February

Seismic Reinforcement of Historic Masonry Structures
Marco Corradi
Crowne Plaza Hotel, Stephenson Quarter, Forth Banks, Newcastle upon Tyne NE1 3SA
17:45 for 18:15

Tuesday 7 March

HS2 (High Speed 2)
Crowne Plaza Hotel, Stephenson Quarter, Forth Banks, Newcastle upon Tyne NE1 3SA
17:45 for 18:15
Details: c.vemury@tees.ac.uk

Tuesday 4 April

BIM in Practice
Crowne Plaza Hotel, Stephenson Quarter, Forth Banks, Newcastle upon Tyne NE1 3SA
17:45 for 18:15

Northern Counties (Teesside)

Tuesday 21 February

Polyhalite – The new industry for Teesside (joint meeting with ICE and IChemE)
Speaker: TBC
Stephenson Building, Teesside University, Middlesbrough TS1 3BA
17:45 for 18:15

Tuesday 14 March

Nuclear Power
Speaker: TBC
Stephenson Building, Teesside University, Middlesbrough TS1 3BA
17:45 for 18:15

Tuesday 11 April

Tall building in London (joint meeting with ICE and JWI)
Ian Dawson
Stephenson Building, Teesside University, Middlesbrough TS1 3BA
17:45 for 18:15

Secretary: Trevor Little (tel: 0191 226 1234; email: trevor.little@pbworld.com)

Northern Ireland

Wednesday 15 February

Training Gym No.1 – Design and Construction of Underground Concrete Structures
David Beadman, Byrne Looby, and Dr Ian Heritage
David Keir Building, 0G/012, Queen's University Belfast BT7 1NN
17:30 for 18:15

Tuesday 26 April

Training Gym No. 2 – Engineering Design for Safe Construction
Angus Cormie and Charles Hutchinson
David Keir Building, 0G/012, Queen's University Belfast BT7 1NN
13:00

Friday 3 March

Chairman's Address and Supper
Richard Nicholl and Ian Firth
The Great Hall, Lanyon Building, Queen's University Belfast BT7 1NN
17:30 for 18:15
Price: TBC

Monday 10 April

Abu Dhabi International Airport – the Midfield Terminal
(joint meeting with the Institution of Engineers of Ireland)
John Scullion
PFC/0G/007, Peter Froggatt Centre, Queen's University Belfast BT7 1NN
17:30 for 18:15

Secretary: Andrea Johnston (email: andrea.johnston7@btinternet.com)

Republic of Ireland

Friday 10 February

Annual Dinner
Guests: Institution President Ian Firth and CEO Martin Powell
The Dining Hall, Trinity College Dublin, College Green, Dublin D2 PD91
Tickets: €85/head
Reception: 19:00; Banquet dinner: 20:00
Contact: Orla Mannion (email: orla.mannion@arup.com)

Secretary: Simon Dunne (email: simon.dunne@ocsc.ie)

South Eastern Counties

Tuesday 7 February

New Orbital Highway, Doha
Andrew Bance
Croydon Park Hotel, 7 Altyre Road, Croydon CR9 5AA
18:00 for 18:30
Register: <https://goo.gl/oA0C2t>

Secretary: Eric Li (eric.li@walsh.co.uk)

Thames Valley

Thursday 9 February

The Innovative Method of Construction Developed for Canary Wharf Crossrail Station
Ratnam Kugananthan
Best Western Reading Moat House, Mill Lane, Sindlesham, Near Wokingham, Berkshire RG41 5DG
18:00

Hon. Sec.: Parmindar Mann (email: parmindarkmann@hotmail.com)

Wales

Tuesday 14 February

Inaugural Meeting (TBC)
School of Engineering, Cardiff University, Queen's Buildings, The Parade, Cardiff CF24 3AA
18:00

Tuesday 14 March

Student presentations (papers competition)
School of Engineering, Cardiff University, Queen's Buildings, The Parade, Cardiff CF24 3AA
18:00

Secretary: Tim Bennett (email: tim.bennett@arup.com)

Western Counties

Thursday 16 February

Coal Mining in the West Country
Ian Greenfield
8W 3.22, University of Bath, Calverton Down, Bath BA2 7AY
18:00
Free, but places must be prior booked

Thursday 16 March

Chairman's address on the Status

of an Engineer
Mahara Booshanani
Arup, 63 St Thomas' St, Avon, Bristol BS1 6JZ
18:00
Free, but places must be prior booked

Secretary: Jason Walker (email: jsrwalker@googlemail.com)

Yorkshire

Wednesday 15 February

The Role of Expert Witness
Brian Clancy
John Stanley Bell LT, Richmond Building, Bradford University, Richmond Road, Bradford BD7 1DP
18:00 for 18:30
Contact: j.f.carr@sheffield.ac.uk

Wednesday 15 March

Leeds South Station Entrance (LSSE)
Ian Besford and Jon Svikis
The Rose Bowl Building, Leeds Beckett University, Portland Crescent, Leeds LS1 3HB
18:00 for 18:30

Wednesday 19 April

Asset Management in Network Rail
Mark Norman
Bedern Hall, Bartle Garth, St Andrewgate, York YO1 7AL
18:00 for 18:30

Wednesday 17 May

Timber Gridshells
Gabriel Tang
The Diamond Building, University of Sheffield, 32 Leavygreave Road, Sheffield S3 7RD
18:00 for 18:30

Secretary: Farzad Neysari (email: farzadneysari@aol.com)

INTERNATIONAL CONFERENCES

Hong Kong

23 February

Green Structure and Construction (Annual Seminar)
Jockey Club Auditorium, the Hong Kong Polytechnic University, Hong Kong
09:00–17:00
Price: Standard: HK\$750, Young

Members Committee of HKIE/Full-time postgraduate student: HK\$300, Full-time undergraduate student: HK\$50
Details: Cherie Yau / Connie Kwong (email: jsd@redasia.com.hk)

Vancouver, Canada

Tuesday 19–Saturday 23 September

39th IABSE Symposium 2017: Engineering the future (joint IABSE and SEABC symposium)
The Westin Bayshore Hotel and Conference Center, 1601 Bayshore Drive, Vancouver, BC V6G 2V4, Canada
Details: www.iabse.org/Vancouver2017

AND FINALLY...

Answer to February's question

The answer is **C** 18mm.

The formula is $1/100\text{mm} + 1/10\text{mm} = 2/d$ (where d is the resultant deflection).

Explanation

If the wind force hitting each portal is F then the stiffness of the hit frame is $F/10\text{mm}$.

The stiffness of the miss frame is $F/100\text{mm}$.

If the two are tied together, then the total stiffness is $F/10\text{mm} + F/100\text{mm}$.

However, there is double the load on two frames, so to work out how far they deflect, you divide the total force by the total stiffness

$$d = 2F / (F/10\text{mm} + F/100\text{mm})$$

The right hand side has $F/F = 1$ so the formula can be shortened to

$$d = 2 / (1/10\text{mm} + 1/100\text{mm}) = 18\text{mm}$$