



Professional Development Courses

2026 Programme

istructe.org/cpd-2026



Welcome to the Institution of Structural Engineers' 2026 Continuing Professional Development training programme.



Louise Tingley
Head of Professional Development and Events, The Institution of Structural Engineers

training@istructe.org

Our CPD programme continues to evolve to meet the needs of structural engineers and built environment professionals at every stage of their career.

In the last 12 months, we were proud to support 922 professionals through our expanding portfolio of technical, leadership, and business-focused courses. This year, we're building on that success with new courses designed to address the most pressing challenges and opportunities in the sector—from sustainability leadership to conservation engineering skills. All our training is developed and delivered in partnership with leading

experts, academic institutions, and professional bodies to ensure a high-quality learning experience. We offer **flexible learning, wherever you are**. Our courses are delivered live by expert tutors:

- Online
- In-person at our London HQ and selected venues
- In-house at your organisation

Whether you're looking to deepen your technical expertise, enhance your leadership capabilities, or stay ahead of regulatory changes, we're here to support your professional journey in 2026 and beyond.

IStructE CPD courses can help in your journey to professional recognition

Institution of Structural Engineers professional membership [↗](#)

Relevant courses to support Graduate Members build the knowledge, skills and experience needed to become a Chartered Member:

- Exam preparation
- Conceptual design for structural engineers: an introduction
- Lateral stability of building structures
- Rapid calculations for engineers
- Understanding structural behaviour

Chartered environmentalist registration [↗](#)

Relevant courses for IStructE Members that wish to apply for CEnv registration:

- Net-zero structural design
- Sustainability leadership for structural engineers
- Adaptive reuse of existing buildings
- Practical leadership skills
- Timber workshop: design through worked examples

Expert witness register [↗](#)

Relevant courses for Chartered Members with the high standard of professional skills and experience required to serve as an Expert Witness:

- Expert witness: an introduction
- Expert witness: going into court
- Practical law: contract law for engineers
- Practical law: dealing with domestic clients
- Practical law: client appointments and terms of engagement
- Writing skills for engineers

Higher risk buildings registration [↗](#)

Relevant courses for anyone seeking registration with the Engineering Council's HRB Register:

- Demolition and structural refurbishment
- Structural fire engineering
- Structural robustness and disproportionate collapse
- Adaptive reuse of existing buildings
- Lateral stability of building structures
- Structural health monitoring
- Understanding structural design

How to book




Book online
www.istructe.org/training-and-development/courses

Contact us

Email
training@istructe.org

Telephone
+44 (0)20 7235 4535

Useful information

1.  This icon indicates that a course takes place online.
2.  This icon indicates that a course takes place in-person. Unless stated otherwise, in-person courses are held at our London HQ
3.  This icon indicates that a course takes place online and in-person.
4. Unless stated otherwise, courses are a full day (usually 10:00–17:30).
5. The programme is subject to change. Please check the website for latest information.

Training calendar at a glance

| January | Date(s) | Delivery format |
|--|------------|-----------------|
| Eurocode 9: design of aluminium structures | 29 January | Online |

| February | Date(s) | Delivery format |
|---|------------------------|-----------------|
| Temporary works design | 4 – 5 February | Online |
| Eurocode 3: structural steelwork design | 17 February | Online |
| Lateral stability of building structures | 18 February | Online |
| Practical law: dealing with domestic clients | 19 February | Online |
| Conceptual design for structural engineers: an introduction | 26 February – 19 March | Online |

| March | Date(s) | Delivery format |
|---|--------------------|-------------------|
| Business and strategic planning | 3 March | Online |
| Sustainability leadership for structural engineers NEW | 4 March & 18 March | Online |
| Eurocode 2: design of concrete structures | 16 March | In-person, London |
| Building resilience: protective design and blast engineering for structures | 19 March | Online |
| Moving into engineering management | 23 – 24 March | In-person, London |
| Eurocode 8: an introduction to seismic design of buildings | 24 March | Online |
| Eurocode 8: worked examples of dynamic analysis and seismic building design | 25 March | Online |

| April | Date(s) | Delivery format |
|---|-------------------|-------------------|
| Understanding structural behaviour | 15 – 16 April | In-person, London |
| Practical law: client appointments and terms of engagement: a legal toolkit | 21 April | Online |
| Conservation engineering NEW | 23 April | In-person, London |
| Rapid calculations for structural engineers | 24 April | Online |
| Writing skills for engineers | 27 April | Online |
| Drawing gym for engineers | 28 April – 19 May | Online |
| Advanced conceptual design for design team leaders | 30 April – 15 May | Online |
| Net-zero structural design | 30 April – 28 May | Online |

| May | Date(s) | Delivery format |
|---|-------------|-------------------|
| Structural robustness and disproportionate collapse | 6 May | In-person, London |
| Exam preparation course | 12 – 14 May | In-person, London |
| Expert Witness: an introduction | 12 – 15 May | Online |
| Seismic design of structures | 26 – 27 May | Online |

| June | Date(s) | Delivery format |
|--|--------------|-------------------|
| Structural concepts: designing more efficient structures | 1 – 2 June | Online |
| Understanding structural design | 3 – 4 June | Online |
| Eurocode 5: the essentials of timber design | 8 June | Online |
| Eurocode 5: connections and advanced topics in timber design | 9 June | Online |
| Eurocode 3: structural steelwork design | 9 June | In-person, London |
| Adaptive reuse of existing buildings | 11 June | In-person, London |
| Floor vibration design and mitigation | 16 June | Hybrid |
| Structural engineering with bamboo | 16 – 17 June | Online |
| Eurocode 6: masonry design | 23 June | Online |
| Net-zero structural design | 24 – 25 June | In-person, London |

| July | Date(s) | Delivery format |
|---|------------|-------------------|
| Temporary works design | 1 – 2 July | In-person, London |
| Lateral stability of building structures | 7 July | Online |
| Practical law: contract law for engineers | 8 July | Online |

| September | Date(s) | Delivery format |
|---|-------------------|-------------------|
| Eurocode 7: foundation design for small practitioners | 8 September | Online |
| Eurocode 4: composite design | 15 September | In-person, London |
| Reliability, resilience and robustness in structural engineering design | 21 September | Online |
| Financial fundamentals | 22 September | In-person, London |
| Temporary works design | 23 – 24 September | In-person, London |
| Reinforced concrete essentials | 24 September | Online |
| Structural engineering appreciation for construction industry professionals | 30 September | Online |
| Structural fire engineering | 30 September | In-person, London |

| October | Date(s) | Delivery format |
|--|--------------------------|-------------------|
| Steel essentials: practical design of structural steelwork | 5 October | Online |
| Demolition and structural refurbishment | 6 October | In-person, London |
| Practical law: dealing with domestic clients | 7 October | In-person, London |
| Understanding structural behaviour | 13 – 14 October | Online |
| Expert Witness: going into court | 14 October | In-person, London |
| Deep basement design and construction | 15 October | Online |
| Eurocode 5: the essentials of timber design | 19 October | Online |
| Timber workshop: design through worked examples | 20 October | Online |
| Structural health monitoring | 20 – 21 October | In-person, London |
| Drawing gym for engineers | 22 October – 12 November | Online |
| Conservation engineering NEW | 27 October | Online |
| Rapid calculations for structural engineers | 30 October | Online |

| November | Date(s) | Delivery format |
|---|--------------------------|-----------------|
| Eurocode 3: structural steelwork design | 3 November | Online |
| Conceptual design for structural engineers: an introduction | 5 – 26 November | Online |
| Net-zero structural design | 5 November – 3 December | Online |
| Eurocode 2: design of concrete structures | 17 November | Online |
| Ground investigation and outline foundation design | 18 November | Hybrid |
| Exam preparation course | 23 November – 2 December | Online |

Contents

| | |
|---|----|
| ■ Adaptive reuse of existing buildings | 8 |
| ■ Advanced conceptual design for design team leaders | 9 |
| ■ Building resilience: protective design and blast engineering for structures | 10 |
| ■ Business and strategic planning | 11 |
| ■ Conceptual design for structural engineers: an introduction | 12 |
| ■ Conceptual design of bridges | 13 |
| ■ Conservation engineering | 15 |
| ■ Deep basement design and construction | 16 |
| ■ Demolition and structural refurbishment | 17 |
| ■ Drawing Gym for engineers | 19 |
| ■ Eurocode 2: design of concrete structures | 20 |
| ■ Eurocode 3: structural steelwork design | 21 |
| ■ Eurocode 4: composite design | 23 |
| ■ Eurocode 5: the essentials of timber design | 24 |
| ■ Eurocode 5: connections and advanced topics in timber design | 25 |
| ■ Eurocode 6: masonry design | 26 |
| ■ Eurocode 7: foundation design for small practitioners | 27 |
| ■ Eurocode 8: an introduction to seismic design of buildings | 28 |
| ■ Eurocode 8: worked examples of dynamic analysis and seismic building design | 29 |
| ■ Eurocode 9: design of aluminium structures | 30 |
| ■ Exam preparation course | 33 |
| ■ Expert Witness: an introduction | 34 |
| ■ Expert Witness: going into court | 36 |
| ■ Financial fundamentals | 37 |
| ■ Floor vibration design and mitigation | 38 |

| | |
|---|----|
| ■ Ground investigations and outline foundation design | 39 |
| ■ Lateral stability of building structures | 40 |
| ■ Moving into engineering management | 41 |
| ■ Net-zero structural design | 42 |
| ■ Practical law: contract law for engineers | 44 |
| ■ Practical law: dealing with domestic clients | 45 |
| ■ Practical law: client appointments and terms of engagement | 46 |
| ■ Practical leadership and communication skills | 47 |
| ■ Rapid calculations for engineers | 48 |
| ■ Reinforced concrete essentials | 49 |
| ■ Reliability, resilience and robustness in structural engineering design | 50 |
| ■ Seismic design of structures | 51 |
| ■ Steel essentials: practical design of structural steelwork | 52 |
| ■ Structural concepts: designing more efficient structures | 53 |
| ■ Structural engineering appreciation for construction industry professionals | 54 |
| ■ Structural engineering with bamboo | 55 |
| ■ Structural fire engineering | 57 |
| ■ Structural health monitoring | 58 |
| ■ Structural robustness and disproportionate collapse | 59 |
| ■ Sustainability leadership for structural engineers | 60 |
| ■ Temporary works design | 61 |
| ■ Timber workshop: design through worked examples | 62 |
| ■ Understanding structural behaviour | 63 |
| ■ Understanding structural design | 64 |
| ■ Writing skills for engineers | 65 |

Adaptive reuse of existing buildings

Course date:
📅 11 June

Aim

This practical course helps structural engineers to confidently approach a refurbishment or reuse project. It looks at the initial steps needed to understand an existing structure, how to apply basic conservation principles and the design implications and considerations.

Learning outcomes

By the end of the course, you should be able to:

- Identify a range of different materials that may be found in existing buildings
- Demonstrate knowledge of some of the typical defects that might be found in different materials/ages of construction
- Ask the right questions and take practical steps to assess an existing structure's condition and loading capacities
- Address robustness and disproportionate collapse in your designs
- Think holistically about reuse as part of a wider sustainability discussion

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Contributes to IPD Core Objective 6

Tutors



Rachael De'Ath has more than 20 years of design experience, working for Arup and more recently Marbas as well as three years lecturing at the University of Bristol teaching design and has continued her role as a visiting lecturer. She has a broad range of experience but prefers to work on existing buildings where she uses her skills and experience to re-imagine the existing structure into something new. She was named as one of the Women's Engineering Society's 'Top 50 female engineers' in 2018 and is an active member of her local IStructE regional group committee.



Gavin Knowles is a lecturer at the University of Bath and prior to this has practised as a Chartered structural engineer. His previous projects including many education and office buildings, along with conservation and refurbishment projects, interweaved with diverse structures, such as rammed chalk-walled houses, recycled material stages at WOMAD Festival and the odd sculpture. He now teaches structural design, conservation and leads on student design projects.

Advanced conceptual design for design team leaders

Course dates:
📅 Begins 30 April 14:00 – 16:00 BST

Aim

Through a series of interactive sessions this course helps experienced practitioners take their conceptual design skills to the next level.

Sessions

- Models for understanding design
- Delving deeper into the brief and establishing trust with a client
- Idea generation in teams
- Dealing with conflict in design
- Subjective tests and decision-making in design
- The art of selling ideas to our clients

Learning outcomes

By the end of the course, you should be able to:

- Characterise the design process and describe how each stage requires different skills and attitudes
- Use techniques for understanding the underlying need behind a client brief
- Describe a model for idea generation and use this to lead a design team through the creative process
- Describe strategies for building an effective design team

Contributes to IPD Core Objective 2, 3

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

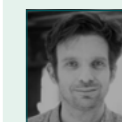
Price

| | |
|----------------------------|------------|
| Early booking member rate* | £565 + VAT |
| Member rate | £625 + VAT |
| Standard rate | £835 + VAT |

*Available until one month prior

25% discount on associated publications:
See website for details

Tutor



Oliver Broadbent is an Honorary Fellow of the IStructE, recognised for his inspiring work on regenerative design, contributing towards the Institution's goal of making the world a safer and more sustainable place. He is the founder and director of Constructivist, working with leaders, teams, and organisations to enhance their skills in design, creativity, and regenerative thinking. Oliver has also been an 1851 Fellow in Regenerative Design and was awarded the Sir Misha Black Award for Innovation in Design Education in 2020.



The course touched on aspects of conceptual design that we as engineers may overlook.



Building resilience: protective design and blast engineering for structures

Course date:
📅 19 March

Aim

This course demonstrates how significant blast resilience and resistance is possible with careful design, planning and detailing of a structure.

Learning outcomes

By the end of the course, you should be able to:

- Describe structural responses to blast loading with reference to 'equivalent single degree of freedom' analysis
- Use pressure impulse diagrams for approximate response assessment
- Employ principles and guidelines for protective design against the effects of blast for concrete, steel, masonry and façade elements
- Understand Hostile Vehicle Mitigation
- Apply thoughts on sustainability into blast design

Contributes to IPD Core Objective **3, 4**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutors



Bob Sheldon was formerly senior lecturer in protective structures at the Centre for Defence Engineering at Cranfield University. Bob is now an independent consultant for security engineering and protective structures.



Mariella Gallo is a structural engineer with expertise in blast effects on buildings, a field she's been specialising in since 2011. She currently leads the Protective Design Team at Arup Resilience Security and Risk in London and is a member of the Register of Security Engineers and Specialists, under the category of protection against the effects of blast.



The overall arrangement was really good. Bob and Mariella presented very well to let me know more about the blasting engineering field.

Business and strategic planning

Course date:
📅 3 March 10:00 – 13:00 GMT

Aim

A business plan offers a dynamic blueprint for operating and expanding a business to achieve goals, financial targets, and operational milestones. This highly practical half-day workshop cultivates the skills required for strategising the medium and long-term growth of an SME.

Learning outcomes

By the end of the course, you should be able to:

- Construct financial and marketing plans in a practical and time-efficient manner
- Organise your goals into annual, quarterly, and weekly objectives
- Understand the various components of an effective marketing plan
- Recognise the importance of a cash flow forecast and utilise it to make crucial data-driven decisions
- Embrace the mindset shift necessary to prioritise these essential planning skills

Contributes to IPD Core Objective **9, 10**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £245 + VAT |
| Member rate | £275 + VAT |
| Standard rate | £365 + VAT |

*Available until one month prior

Tutor



Parag Prasad has been an award winning business mentor to many of London's elite entrepreneurs including: ProperCorn, the 5th fastest growing company in Europe (Financial Times, 2017); Weston Williamson, one of the leading architecture firms behind TFL's £15Bn Crossrail project, and Chilango, voted one of Britain's 27 most disruptive companies by The Telegraph.



Lots of tools for improving a business and direct approach to identify natural weaknesses of engineers at running businesses.

Conceptual design for structural engineers: an introduction

Course dates:

 Begins 26 February 09:30 – 11:30 GMT

 Begins 5 November 09:30 – 11:30 GMT

Aim

Through a series of interactive online sessions supported by individual study, this popular course provides a theoretical framework for understanding conceptual design in the context of structural engineering.

Sessions

- Working with a brief
- Developing ideas
- Modelling and testing ideas
- Bringing it all together

Learning outcomes:

By the end of the course, you should be able to:

- Explain the design process as a series of discrete steps
- Describe the characteristics of a good design brief and use this knowledge to write your own brief
- Describe and use techniques for idea generation
- Describe and use techniques for modelling and testing your ideas

Contributes to IPD Core Objective 2, 3

Intended for:

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

25% discount on associated publications:

See website for details

Tutor



Oliver Broadbent is an Honorary Fellow of the IStructE, recognised for his inspiring work on regenerative design, contributing towards the Institution's goal of making the world a safer and more sustainable place. He is the founder and director of Constructivist, working with leaders, teams, and organisations to enhance their skills in design, creativity, and regenerative thinking. Oliver has also been an 1851 Fellow in Regenerative Design and was awarded the Sir Misha Black Award for Innovation in Design Education in 2020.



Course instructor was excellent! Very engaging, managed the environment very well, and made the points very well.

Conceptual design of bridges

Course dates:

 Dates to be announced. Please check website.

Aim

This two-day course is an essential introduction to the conceptual design process for bridges. It covers two key areas: selecting a structural form to suit the constraints of a site and arranging materials and components to meet the demands of the structure in an elegant and logical way.

Learning outcomes:

By the end of the course, you should be able to:

- Identify how the conceptual design of a bridge is informed by physical and environmental site constraints, along with social, cultural and historical factors
- Read a bridge design
- Explain basic structural systems typically used in bridges
- Select appropriate structural forms and materials
- Form, develop and communicate a concept

Contributes to IPD Core Objective 3

Intended for:

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £565 + VAT |
| Member rate | £625 + VAT |
| Standard rate | £835 + VAT |

*Available until one month prior



The course is delivered in a really engaging way with teamwork and lecture given interchangeably. What I find the most useful is the break down of the conceptual design process, which sometimes we already do, but not understanding why we do it. This will help for more consistent conceptual design delivery.

Tailored in-house training solutions

Tailored training to help you achieve individual, team and organisational objectives.

The majority of our courses can be delivered either on your premises or online just for your team on a date and time that perfectly suits your organisation.

Our trainers can deliver a listed course from the Institution's Professional Development programme. Or we can work with you to design and deliver a bespoke course, based on your team's and organisation's specific requirements.

Cost-effective pricing

In-house training prices are based on the unique training solution you require. Costs are determined when we discuss and agree your requirements with you.

Get in touch

Contact training@istructe.org and let us know the following:

- What course or topic you are interested in
- When and where you have in mind for delivery
- Number of participants (course capacities are usually 12 for business practice and 20 for technical courses)

“The team and the trainers are really friendly and helpful, and our training programme always runs very smoothly with each course tailored to our specific requirements.”

Rachel Simpson, Training Coordinator, AKT II

Technical

Conservation engineering

Course dates:

 **23 April**

 **27 October**

Aim

This course will provide engineers with the confidence to work with listed buildings, balancing protection of building fabric while managing safety.

Learning outcomes

By the end of the course, you should be able to:

- Recognise the legislative framework that surrounds listed buildings and how that translates to conservation best practice
- Work practically within that framework, balancing safety against preservation of building fabric
- Discuss the opportunities and risks of, sometimes fragile, buildings with clients and design teams
- Identify a range of different materials found in buildings earlier than 1930, how they work and typical defects
- Justify when to repair/strengthen and when to remove/replace

Contributes to IPD Core Objective **3, 4, 7**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutor



Margaret Cooke is a Conservation Accredited Engineer with over 30 years of

experience in reuse of buildings, especially those which are listed, fragile or historically sensitive. Margaret is one of the founding Directors of Integral and now a Senior Consultant to the practice. Margaret lectures at University of Bath. She is also the Cathedral Engineer for Wells Cathedral and a trustee for Clifton Suspension Bridge. In 2021 she won the IABSE Milne Medal prize awarded to an individual engineer for excellence in structural design.

Deep basement design and construction

Course date:
📅 15 October

Aim

This course gives guidance on the key design and constructability considerations when planning the construction of deep basements. It covers various types of embedded walls for both bottom-up and top-down construction.

Learning outcomes

By the end of the course, you should be able to:

- Apply performance criteria to construction techniques and structural form considering the intended use
- Design appropriate waterproofing to achieve the desired environment
- Propose structural form and sequence to match the geotechnical conditions
- Plan construction methodology and sequence, including high level estimating of schedule and costs
- Assess the logistics and space requirements of different equipment considering the construction methodology and ground/ groundwater conditions
- Gain awareness of geotechnical risks and structural options
- Design deep basements taking into account of all the above

Contributes to IPD Core Objective **3, 4, 7**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/ Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutors



Christina Mavrommati is a Chartered Civil Engineer with over 23 years' experience in the geotechnical design of large-scale civil engineering works in Greece and the UK including High Speed Rail infrastructure, underground metro stations, bridges and earthworks.



James Edington is a Chartered Civil Engineer with over 15 years' experience and a leader in sub-structural analysis, design and construction. He specialises in the design of large underground structures, primarily in the transportation sector. He has made significant contributions to delivering new infrastructure for metro systems in the UK, Qatar, Australia and North America.



Sivilay Sayavong has over 15 years' experience in the construction industry and brings with her a wealth of geotechnical design experience and technical problem-solving; particularly in heavy foundation engineering including piles and diaphragm walls.

Demolition and structural refurbishment

Course date:
📅 6 October

Aim

This course provides guidance on specific aspects of demolition and refurbishment from an engineering perspective, while addressing safety, environmental and sustainability influences.

Learning outcomes

By the end of the course, you should be able to:

- Identify structural construction types and principles
- Evaluate practical options for the demolition or refurbishment of major buildings
- Identify specific structural hazards that may occur in demolition
- Understand temporary structural support methods in demolition and refurbishment
- Gain more knowledge of CDM principles relating them to demolition and refurbishment works
- Enhance environmental and sustainable influences in your decision process

Contributes to IPD Core Objective **7**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/ Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutor



Robert Millard has 24 years construction industry experience both in contracting and consultancy disciplines across many sectors. Most recently the past 8 years have been spent leading an engineering team providing demolition / construction engineering support working across many London demolition, structural refurbishment and new build projects. As a Chartered Engineer and Chair of the Temporary Works Forum, Robert is a strong believer in knowledge sharing for the betterment of our industry.

Appraising factors of safety in existing engineered structures

The guidance outlines a three-step method for assessing when reduced safety factors can be justified in existing structures. It supports safer, more sustainable decisions by helping engineers avoid unnecessary strengthening or demolition.



Buy now:

istructe.org/resources/guidance/appraising-factors-safety-in-existing-structures

Technical

Drawing Gym for engineers

Course dates:

Begins 28 April 10:00 – 12:00 BST

Begins 22 October 10:00 – 12:00 BST

Aim

The course takes place as a series of two-hour interactive sessions over four weeks supported by independent study. The course introduces a number of drawing techniques and systems. It will increase your confidence in your sketching abilities.

Learning outcomes

By the end of the course, you should be able to:

- Draw confidently using a repertoire of techniques and drawing systems
- Draw simple geometric forms, building details in isometric, axonometric, section and simple perspectives
- Express a broad range of concepts and forms through drawing
- Draw assuredly from your 'mind's eye'
- Use non-verbal communication professionally

Contributes to IPD Core Objective 3, 4

Intended for

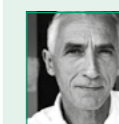
- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

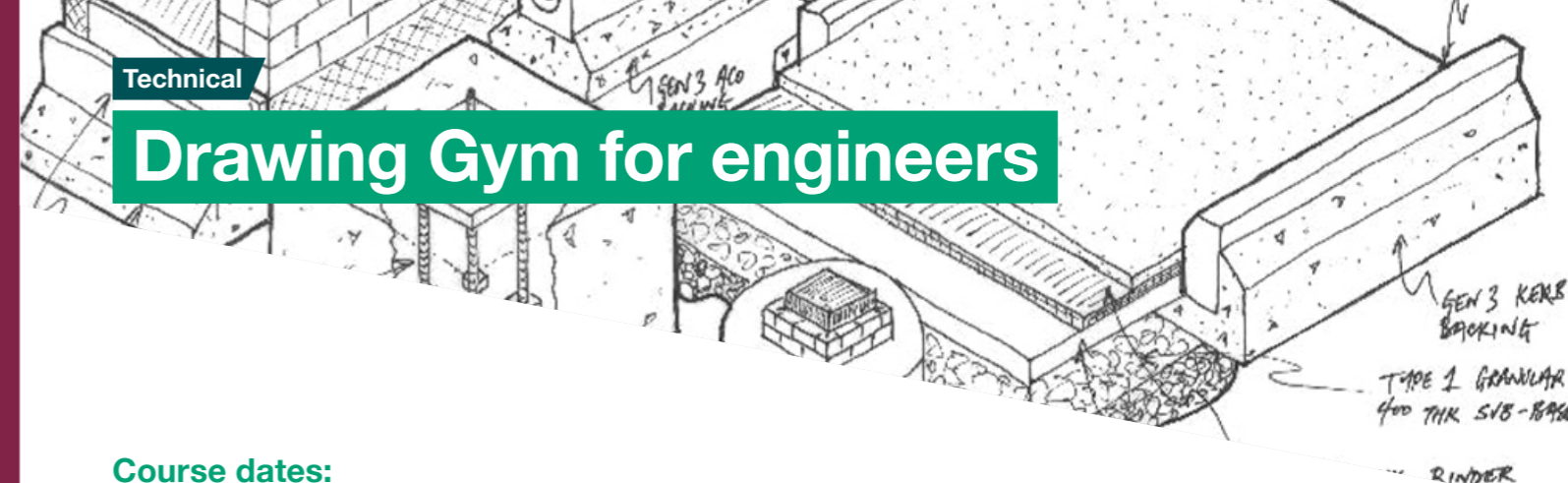
Tutor



Trevor Flynn is Director of Drawing at Work and founder of The Drawing Gym. He teaches drawing at University College London and runs the architectural and spatial drawing module of the Architectural Association foundation course. Trevor is a visiting lecturer at the School of Architecture at the University of Bath and is a drawing instructor in several architectural and engineering offices.



This is an outstanding course which I would recommend to anyone who loves drawing and is passionate about communicating their projects. It would be of particular use to junior and young engineers still developing their suite of practice skills.



Eurocode 2: design of concrete structures

Course dates:

- 16 March
- 17 November

Aim

This course introduces participants to the first generation of Eurocodes, focusing specifically on the design of common structural elements according to Eurocode 2. Participants learn about concrete material properties and understand how to design for durability and fire resistance.

Learning outcomes

By the end of the course, you should be able to:

- Describe Eurocode 2
- Design concrete for beams, slabs and columns
- Determine cover for a typical element
- Design elements for bending, deflection, shear and axial loads

Contributes to IPD Core Objective **3, 4, 5**

25% discount on associated publications:
See website for details

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

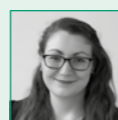
| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutors



Jenny Burridge is the Head of Education and Training at The Concrete Centre. She is a Fellow of the IStructE and a Chartered Member of the ICE, with over 30 years of experience in the construction industry. Jenny has previously worked for Arup and AECOM, where she designed award-winning buildings in both the UK and mainland Europe. She chairs the BSI Advisory Committee for Engineering Design and Construction.



Emily Halliwell is a Senior Structural Engineer at The Concrete Centre, where she promotes efficient concrete design and construction. Her role includes contributing to the development of Eurocode 2 and providing technical guidance to designers. Prior to joining The Concrete Centre, Emily worked on a variety of challenging engineering projects, including stations, stadia, and commercial buildings. She is a Chartered Member of both ICE and IStructE and a Chartered Environmentalist.

Eurocode 3: structural steelwork design

Course dates:

- 17 February
- 9 June
- 3 November

Aim

This course provides an introduction to structural steelwork design to Eurocode 3 for building design.

Learning outcomes

By the end of the course, you should be able to:

- Design simple building structures to Eurocode 3
- Navigate effectively around parts of Eurocode 3 necessary for the design of steel structures
- Design tension members, compression members, restrained and unrestrained beams, column base plates and simple joints
- Identify the practical issues in steel buildings design

Contributes to IPD Core Objective **3, 4, 5**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

25% discount on associated publications:
See website for details

Tutors



Prof Dennis Lam presents the in-person course. He is a Chartered Civil and Structural Engineer and Emeritus Professor of Structural Engineering at the University of Bradford. He has extensive practical experience in structural design and analysis, with particular expertise in steel and composite structures. He is the leading author of *Structural Steelwork: Design to Limit State Theory* and has published widely on structural design and analysis.

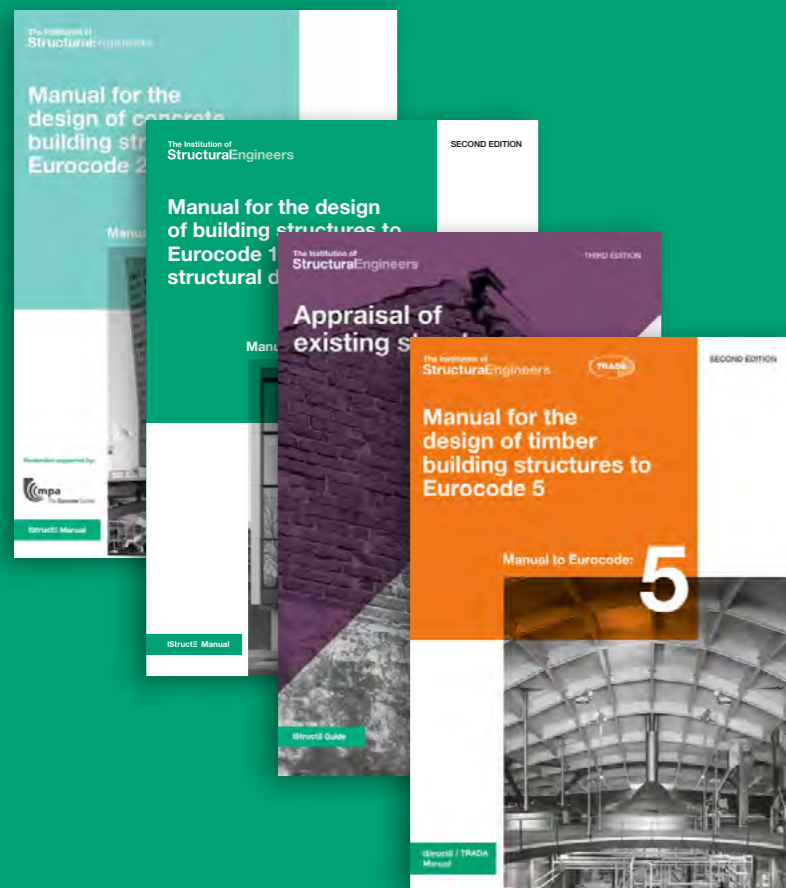


Bob Benton presents the online course. He is a Chartered Structural Engineer with experience working for consulting engineers and contractors designing building and civil engineering structures including bridges. He is a visiting lecturer at the University of the West of England teaching post-graduate and mid-career engineers. He has also authored education material for the British Standards Institution.



The course was very engaging and delivered by a very experienced and knowledgeable lecturer.

25% off manuals and guides when you attend an associated course



Many of our courses have an associated, Institution published manual or guide which can be a valuable supplementary resource.

Claim your exclusive 25% discount on the associated publication when you attend.

Email: library@istructe.org for more information or to request a discount code.

Technical

Eurocode 4: composite design

Course date:

 **15 September**

Aim

This course supports practising designers with composite design to Eurocode 4. It enables an understanding of the essential requirements of this code in structural design and how the code operates.

Learning outcomes

By the end of the course, you should be able to:

- Navigate effectively around parts of Eurocode 4 for the design of steel concrete composite structures
- Understand the basic principles of composite construction
- Design composite slabs and beams with metal deck flooring
- Design composite columns
- Identify the practical issues in composite structures designing to Eurocode 4

Contributes to IPD Core Objective **3, 4, 5**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutor



Prof Dennis Lam is a Chartered Civil and Structural Engineer and Emeritus Professor of

Structural Engineering at the University of Bradford. He has extensive practical experience in structural design and analysis, with particular expertise in steel and composite structures. He is the leading author of *Structural Steelwork: Design to Limit State Theory* and has published widely on structural design and analysis.

Eurocode 5: the essentials of timber design

Course dates:

- 8 June
- 19 October

Aim

This course offers an introduction to timber design to Eurocode 5. Topics covered include solid timber and engineered timber products; material properties and modification factors; design of beams, columns and connections; and discussions on deflections and vibrations.

Learning outcomes

By the end of the course, you should be able to:

- Recognise the basics of designing timber elements to Eurocode 5
- Assess the intricacies involved in designing timber elements to Eurocode 5
- Appraise the wood technology and scientific research behind certain clauses of Eurocode 5
- Use the peripheral standards and further commercial information to design with Eurocode 5
- Use Eurocode 5 for practical design situations

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

25% discount on associated publications:
See website for details

Contributes to IPD Core Objective 3, 4, 5

Tutor



Dr Keerthi Ranasinghe is an Associate at Milner Associates and was previously the Principal Engineer for Structural Timber at BM TRADA. Formerly an academic with research and teaching experience both in the UK and abroad, Keerthi has delivered timber courses for IStructE since 2008. He is the author of several TRADA publications, including *Span Tables to Eurocode 5*, and the Institution's *Manual for the design of timber building structures to Eurocode 5, 2nd edition*. He sits on British and European Standardisation Committees related to timber design.



Keerthi is a fountain of knowledge, and I loved the way he really dived into topics to understand why we need to do something, or where this requirement comes from. The way he describes things really makes sense to me.

Eurocode 5: connections and advanced topics in timber design

Course date:

- 9 June

Aim

This course introduces timber connections in detail and several other advanced topics in timber design to Eurocode 5. Topics covered include: connections with dowel-type fasteners, nails, screws, dowels and bolts; timber composites; notched members and slots and holes in timbers; splitting of timber and other brittle failures; design for durability; introductions to the fire and bridges parts of Eurocode 5.

Learning outcomes

By the end of the course, you should be able to:

- Design basic and more intricate timber connections to Eurocode 5
- Appreciate the fracture mechanics aspects of wood behaviour and scientific research behind certain clauses of Eurocode 5
- Appreciate the use of dowel-type fasteners and contemporary connectors for practical applications
- Use the connections chapter of Eurocode 5 for practical design situations

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Entry criteria

Participation at the *Eurocode 5: The essentials of timber design* course is recommended.

25% discount on associated publications:
See website for details

Contributes to IPD Core Objective 3, 4, 5

Tutor



Dr Keerthi Ranasinghe is an Associate at Milner Associates and was previously the Principal Engineer for Structural Timber at BM TRADA. Formerly an academic with research and teaching experience both in the UK and abroad, Keerthi has delivered timber courses for IStructE since 2008. He is the author of several TRADA publications, including *Span Tables to Eurocode 5*, and the Institution's *Manual for the design of timber building structures to Eurocode 5, 2nd edition*. He sits on British and European Standardisation Committees related to timber design.

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Eurocode 6: masonry design

Course date:
📅 23 June

Aim

This course provides participants with detailed knowledge of masonry design to Eurocode 6 and the National Annexes.

Learning outcomes

By the end of the course, you should be able to:

- Gain an overview of the design of masonry to the Eurocode
- Understand masonry materials
- Know the standards supporting the use of masonry
- Understand how to design for vertical load
- Complete a design example for vertical loads
- Understand how to design for lateral load and complete a design example
- Know how to specify masonry for durability
- Know where to find relevant information to support their future designs

Contributes to IPD Core Objective **3, 4, 5**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

25% discount on associated publications:
See website for details

Tutor



Owen Brooker is an experienced trainer and has delivered training throughout the world on a wide range of topics. He is passionate about sharing knowledge and is currently chair of the IStructE Technical Products Panel. He is co-author of the three short guides on how to design masonry structures using Eurocode 6, which give practical guidance on how to apply Eurocode 6 to the design of masonry structures. He is experienced in the practical application of Eurocode 6 having worked on the design of new and refurbished masonry buildings, including masonry structures up to 200 years old.



I've been using EC6 but wasn't sure I was interpreting it correctly but this course gave me more confidence in using it and understanding the principles behind it.

Eurocode 7: foundation design for small practitioners

Course date:
📅 8 September

Aim

This course covers aspects of the geotechnical and structural design of spread and piled foundations. It is tailored for engineers working in small practices. The content is compliant with Eurocodes 2 and 7, with opportunities for comparisons with relevant British Standards.

Learning outcomes

By the end of the course, you should be able to:

- Develop suitable foundations using ground investigation material
- Prepare scheme designs for spread and piled foundations
- Analyse the practical problems involved in the construction of foundations

Contributes to IPD Core Objective **3, 4**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

25% discount on associated publications:
See website for details

Tutor



Bob Benton is a Chartered Structural Engineer with experience working for consulting engineers and contractors designing building and civil engineering structures including bridges. He is a visiting lecturer at the University of the West of England teaching post-graduate and mid-career engineers. He has also authored education material for the British Standards Institution.

Eurocode 8: an introduction to seismic design of buildings

Course date:
📅 24 March

Aim

This course delivers key advice and guidance on seismic design of structures to Eurocode 8 as well as the application of the Eurocode. Emphasis is placed on reinforced concrete buildings although the concepts are widely applicable.

Learning outcomes

By the end of the course, you should be able to:

- Describe earthquake damages and identify their causes
- Apply principles of conceptual design of earthquake-resistant structures in practice
- Appreciate ground motions and geotechnical aspects in structural seismic design
- Apply performance requirements and compliance criteria for various types of buildings
- Select models and methods of analysis of buildings for seismic actions
- Carry out equivalent static analysis of simple buildings, safety verifications, and simple structural element design and detail

Contributes to IPD Core Objective 3, 4

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

25% discount on associated publications:
See website for details

Tutor



Prof Costas Georgopoulos is a distinguished academic and practising engineer with many years' unique multi-sector experience in seismic design, including conventional buildings in Greece and state-of-the-art structures in the UK (Trident Submarine Refitting Facility at Rosyth and Sizewell B Nuclear Power Station). Costas sits on the BSI B/525/8 committee on EC8 and the IStructE Seismic & Dynamic Events Panel and he is the author of the *Extracts to EC8* and *Commentary to EC8* for Eurocodes Plus for BSI and, co-author of *Examples for the seismic design of steel and concrete buildings to EC8* for IStructE.



Costas has such a wealth of experience and familiarity with the subject, it was honestly incredible. I honestly believe that we could have gone for hours more. The course notes were incredibly considered and informative. Highly recommended.

Eurocode 8: worked examples of dynamic analysis and seismic building design

Course date:
📅 25 March

Aim

This course delivers practical advice through the use of worked examples on dynamic analysis, conceptual design for earthquake resistance and seismic design of structural elements to Eurocode 8. Emphasis is placed on concrete and steel buildings although the concepts are widely applicable.

Learning outcomes

By the end of the course, you should be able to

- Understand the dynamic analysis of buildings
- Carry out the dynamic analysis of a 2DOF frame by hand
- Appreciate the principles of conceptual design of earthquake-resistant structures
- Describe the provisions of Eurocode 8
- Apply the performance requirements and compliance criteria of Eurocode 8
- Carry out building element design to Eurocode 8 by hand

Contributes to IPD Core Objective 3, 4

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Entry criteria

It is expected that attendees have some experience in dynamic and seismic analysis. Participation at the *Eurocode 8: an introduction to seismic design of buildings* is recommended.

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutors



Prof Costas Georgopoulos is a distinguished academic and practising engineer with many years' unique multi-sector experience in seismic design, including conventional buildings in Greece and state-of-the-art structures in the UK (Trident Submarine Refitting Facility at Rosyth and Sizewell B Nuclear Power Station). Costas sits on the BSI B/525/8 committee on EC8 and the IStructE Seismic & Dynamic Events Panel and he is the author of the *Extracts to EC8* and *Commentary to EC8* for Eurocodes Plus for BSI and, co-author of *Examples for the seismic design of steel and concrete buildings to EC8* for IStructE.



Dr Kong Kian Hau is a Senior Lecturer with the Department of Civil & Environmental Engineering at the National University of Singapore (NUS). Awarded the NUS President Graduate Fellowship in 2002, his PhD thesis focused on far-field effects of long-distance earthquake tremors from Sumatra to buildings in Singapore. He is a practising qualified engineer who specialises in Buildings & Infrastructure Projects (including bridges) with more than 15 years of experience. He is co-author of the IStructE's *Examples for the seismic design of steel and concrete buildings to Eurocode 8*.

Eurocode 9: design of aluminium structures

Course date:
📅 29 January

Aim

This one-day online course is designed to help those using structural aluminium. It introduces basic considerations as well as giving guidance on using Eurocode 9 (2023 version), including upcoming updates to the 2nd generation. It includes design examples.

Learning outcomes

By the end of the course, you should be able to:

- List the considerations necessary when deciding to design in structural aluminium rather than in steel
- Determine how to select the most appropriate aluminium alloys for a structural application
- Examine the pros and cons of different material forms and jointing methods
- Perform limit state calculations in accordance with the Eurocode
- Gain knowledge of upcoming updates to the 2nd generation of Eurocode 9.
- Consider serviceability limit state in the design.
- Design of simple aluminium joints.
- Account for the mechanical properties of aluminium at elevated temperatures.

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

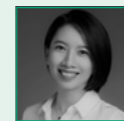
Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Contributes to IPD Core Objective 3, 4, 5

Tutor



Dr Meini Su is a Reader in Structural Engineering and Head of Research at Department of Civil Engineering and Management, The University of Manchester. She is a member of the British Standard Institution (BSI) B/525/9 – Structural use of aluminium committee. She studied at The University of Hong Kong and Imperial College London. Her principal research interests lie in the areas of structural testing, numerical modelling and the development of design guidance for aluminium alloy structures and reinforced concrete structures in marine environments.



Dr Gabriel Barros dos Santos is a Senior Lecturer in Structural Engineering at the University of Hertfordshire. His research focuses on the structural behaviour of metallic structures, such as made of carbon steel, stainless steel and aluminium, and its components through experiments, numerical modelling and probabilistic assessments. He is an active member of standardisation committees such as BSI B/525/9 in structural use of aluminium. Prior to academia, Gabriel practised as a structural engineer focused on the design of metallic structures for floating offshore platforms.

The Institution of StructuralEngineers

Manuals supporting the design of structures to Eurocodes



Comprehensive reference tools
for practising structural engineers

Sold separately or as a seven-
volume package

Available in print or PDF formats



Visit:
www.istructe.org/shop/manuals

RAAC essentials for structural engineers

On-demand course

Learn how to identify, assess, manage and remediate reinforced autoclaved aerated concrete (RAAC) defects in buildings.

Buy now:
istructe.org/resources/training/raac-essentials

Course outline

- **Module 1:** History, design standards and defects of RAAC
- **Module 2:** Surveys and investigations, assessment, reporting, health and safety, report writing
- **Module 3:** Remediation, monitoring, and risk mitigation



Exam Preparation on-demand course

The Chartered Member exam is recognised globally as a rigorous assessment of competence for structural engineers. As a gateway to the profession, the exam is necessarily challenging and whilst we want to maintain the highest of standards, we also want to provide support and encouragement for Graduate Members to develop in a career that will last them a lifetime.

The online Chartered Member preparation course provides an accessible and flexible way to get ready for the exam.

By the end of the course, you should be able to:

- Identify the passing criteria for each element of the Examination
- Plan an effective preparation strategy that addresses any gap in your preparation for the Examination
- Confidently formulate distinct and viable solutions to the Examination questions that demonstrate your professional competence
- Implement a plan to effectively manage your time throughout the Examination

Buy now for
unlimited access

istructe.org/resources/training/cm-exam-online-preparation-course



Technical

Exam preparation

Course dates:

12 – 14 May

23 November – 2 December

Aim

This comprehensive course is designed to prepare you for the IStructE's Chartered Membership exam; enabling you to plan your future preparation and approach the exam with confidence.

Learning outcomes

By the end of the course, you should be able to:

- Plan your own preparation for the exam
- Understand how to assess the key issues raised in any exam question
- Recognise what is required to pass each element of the exam
- Formulate distinct and viable solutions to exam questions
- Employ tools to develop efficient solutions to exam questions

Pre-course requirements

Please note that this course requires some pre-course work to be completed in preparation for the course dates.

Contributes to all IPD Core Objectives

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

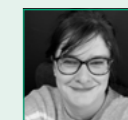
Member rate

£675 + VAT

Tutors



Paul Toplis is a consultant at Price & Myers consulting engineers with over 30 years' experience of designing buildings. He is personally involved in producing sketch drawings, calculations and specifications for projects – bringing 'hands on' experience to the course. He is also technical editor for the National Structural Concrete Specification.



Victoria Edmondson is a Chartered Structural Engineer with over 15 years experience in the UK and abroad. She is passionate about coaching the next generation of structural engineers.



Matt Goswell has worked for a number of London-based structural consultants on projects such as the Oval cricket ground, KPMG Canary Wharf and The Shard. To broaden his horizons, Matt moved into the energy sector, predominately working as a lead engineer on onshore facilities across the world.

All the tutors have been marking examiners for The Institution of Structural Engineers Chartered Membership Exam.

Expert Witness: an introduction

Course dates:
📅 12 – 15 May

Aim

This course, delivered as four half day sessions, provides a comprehensive introduction to the roles and responsibilities of an Expert Witness. The practical training also focuses on the preparation and presentation of the Expert Witness' report and the essential skills for courtroom readiness.

Learning outcomes

By the end of the course you should be able to:

- Comprehend the requirements for performing as an Expert Witness
- Articulate terms of engagement
- Outline the necessary knowledge and actions prior to report writing
- Dealing with witness statements
- Analyse strategies for fact-finding, early evaluation, and pre-trial advice
- Interpret and apply codes of practice for Experts
- Navigate procedures and anticipate challenges in Expert meetings
- Implement effective methods for securing payment

Contributes to IPD Core Objective 2, 10

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £615 + VAT |
| Member rate | £685 + VAT |
| Standard rate | £925 + VAT |

*Available until one month prior

Tutor

The Academy of Experts is the professional society and accrediting body for Expert Witnesses of all disciplines. It is independently run by Experts for Experts and those using them. The training is conducted by a team of experienced tutors. Although their disciplines are all very different, they all have practical experience of working as Expert Witnesses and mediators or instructing them.



The content of the Expert Witness course and its presentation by an accomplished and experienced Expert Witness is a must for any engineer venturing into the world of court work.

IN COLLABORATION WITH



The Institution of
StructuralEngineers



Become an IStructE Expert Witness

Promote and demonstrate your experience as an Expert Witness

Unlike other registers, the IStructE Expert Witness register includes details of your structural engineering specialisms

Achieve an internationally recognised professional status as an accredited Expert

Join today:
www.istructe.org/expert-witness-register

Expert Witness: going into court

Course date:
📅 14 October

Aim

This course is designed to provide participants with the knowledge and experience of courtroom proceedings. Participants undergo cross-examination by a practising barrister in a protected environment to improve techniques and increase confidence when called to give evidence.

Learning outcomes

By the end of the course you should be able to:

- Plan and schedule court preparation effectively
- Introduce yourself and present your expertise confidently
- Demonstrate effective techniques for giving evidence
- Analyse lawyers' strategies for cross-examination and employ appropriate responses

Contributes to IPD Core Objective 2, 10

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £335 + VAT |
| Member rate | £375 + VAT |
| Standard rate | £495 + VAT |

*Available until one month prior

Tutor

The Academy of Experts is the professional society and accrediting body for Expert Witnesses of all disciplines. It is independently run by Experts for Experts and those using them. The training is conducted by a team of experienced tutors. Although their disciplines are all very different, they all have practical experience of working as Expert Witnesses and mediators or instructing them.

IN COLLABORATION WITH



Financial fundamentals

Course date:
📅 22 September

Aim

This course provides an overview of accounting principles and an explanation of accounting terminology. It also covers how to understand key financial documents.

Learning outcomes

By the end of the course, you should be able to:

- Recognise how the three key financial documents (cash flow forecast, profit and loss account, and balance sheet) are constructed
- Explain some key financial ratios that inform the health of a business
- Interpret financial data to set forward plans
- Use key financial terminology
- Identify what financial data is available in the public domain
- Work confidently alongside your financial colleagues

Contributes to IPD Core Objective 10

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £335 + VAT |
| Member rate | £375 + VAT |
| Standard rate | £495 + VAT |

*Available until one month prior

Tutor



Penny Taylor has combined an engineering career in the automotive industry and academia with postgraduate qualifications in teaching, coaching and psychology. She has been teaching Finance, Communication and Management to engineers for over 15 years, based on practical lessons learned during her engineering career.



Penny was very knowledgeable and was able to explain all items extremely well using examples personal to the attendees. Using our accounts was really useful to apply this to the real world.

Floor vibration design and mitigation

Course date:
📅 16 June

Aim

This course introduces key concepts in vibration serviceability of building floors. Techniques for analysis, design and mitigation for satisfactory vibration performance are outlined, as well as their potential impact on sustainability of floor construction.

Learning outcomes

By the end of the course, you should be able to:

- Master the basic terminology used in floor vibration serviceability
- Undertake basic vibration serviceability checks of a typical floor structure
- Appreciate the vibration mitigation technologies available to reduce embodied carbon pertinent to floor vibration serviceability
- Carry out basic vibration serviceability checks for a floor featuring an active mass damper

Contributes to IPD Core Objective 3, 4

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutors



Prof Aleksandar Pavic is Professor of Vibration Engineering at the University of Exeter, with expertise in vibration serviceability of building floors. He has contributed to a number of vibration design guides currently used in the UK and internationally for floors, footbridges and grandstands. He is also Managing Director of Full Scale Dynamics Ltd.



Dr Paul Reynolds is an expert in civil engineering vibration with specialism in structural vibration control. He is CEO of FSD Active Ltd and was previously Professor of Structural Dynamics and Control at the Universities of Sheffield and Exeter.

Ground investigation and outline foundation design

Course date:
📅 18 November 09:30 – 13:30 GMT

Aim

This half-day course is designed to help early career structural engineers develop a better understanding of geotechnical engineering and use that knowledge to enhance and promote sustainable design. The course encourages effective collaboration with geotechnical engineers by explaining how below ground risks are identified and investigated, leading on to an overview of shallow and piled foundation design.

Learning outcomes

By the end of the course, you should be able to:

- Understand the contents and importance of a desktop study and identify potential below-ground risks to structures and substructures
- Explain types of ground investigation and how to procure and specify them
- Identify typical foundation solutions for scheme design
- Appreciate worked examples for shallow and piled foundations
- Communicate effectively with geotechnical engineers

Contributes to IPD Core Objective 3, 4

Intended for

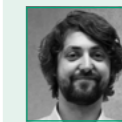
- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £225 + VAT |
| Member rate | £245 + VAT |
| Standard rate | £345 + VAT |

*Available until one month prior

Tutor



Tom Samson is a geotechnical associate with over 12 years' experience working in engineering consultancy on projects in a diverse variety of sectors including education, residential, life sciences, commercial, energy, highways, rail and maritime. He holds a master's degree in Civil Engineering, is a Chartered Engineer with the Institution of Civil Engineers and is a UK Registered Ground Engineering Professional and leads the Bristol division of the CampbellReith geotechnical team, who recently won Consulting Firm of the Year at the Ground Engineering Awards 2023.

Lateral stability of building structures

Course dates:

18 February 13:30 – 18:00 GMT

7 July 13:30 – 18:00 BST

Aim

This half-day course covers the methods by which the lateral stability of a building structure is achieved.

Learning outcomes

By the end of the course, you should be able to:

- Describe the methods of achieving lateral stability in buildings
- Recognise how robustness impacts on lateral stability
- Identify second order effects on building structure frames
- Illustrate development and projection of load paths in frames
- Identify and exploit vertical and horizontal stability systems

Contributes to IPD Core Objective **3, 4**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £225 + VAT |
| Member rate | £245 + VAT |
| Standard rate | £345 + VAT |

*Available until one month prior

25% discount on associated publications:
See website for details

Tutor



Chris O'Regan is a Chartered Structural Engineer with over 35 years of experience working in the field. He draws from his experience developing structures for a large variety of buildings, ranging from music hall venues through to stadia and everything in between. Chris is keen to share the knowledge on the topic of lateral stability that he has accrued over the years to ensure it is transferred to other practising structural engineers. He is the author of the Technical Guidance Notes that were published in *The Structural Engineer*.



Excellent general introduction to lateral stability and the ways of providing this. A good spring board to explore the topic further, and a really engaging teacher.

Moving into engineering management

Course dates:

23 – 24 March

Aim

Discover how to be successful in your management career. This interactive two-day course gives first-time managers a toolbox of techniques to use for managing engineers and other technical staff.

Learning outcomes

By the end of the course, you should be able to:

- Manage effectively
- Build and develop an effective team
- Delegate appropriately and effectively
- Set, monitor and achieve SMART goals for your team
- Use performance management to get the best out of everyone
- Understand what is expected of you as a Manager or Team Leader
- Know the difference between leadership and management, and how to be good at both
- Create a high-performing and happy team

Contributes to IPD Core Objective **9**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £615 + VAT |
| Member rate | £685 + VAT |
| Standard rate | £925 + VAT |

*Available until one month prior

Tutor



Penny Taylor has combined an engineering career in the automotive industry and academia with postgraduate qualifications in teaching, coaching and psychology. She has been teaching Finance, Communication and Management to engineers for over 15 years, based on practical lessons learned during her engineering career.




Penny was very engaging and the content relevant and easy to follow at a good pace. Good amount of team exercises.

Net-zero structural design

Course dates:

 Begins 30 April 09:30 – 11:30 BST

 24 – 25 June

 Begins 5 November 14:00 – 16:00 GMT

Aim

This popular course offers a series of interactive sessions, supported by individual study. It is designed to empower participants with the skills and knowledge needed to design structures that achieve net-zero emissions.

Sessions

- The big picture
- Materials
- The brief
- Design options
- Advocacy

Learning outcomes

By the end of the course, you should be able to:

- Share insights on the definition and strategies for achieving net-zero
- Discover opportunities to reduce carbon emissions in design by redefining project briefs
- Select materials that are advantageous for the entire industry rather than only your project
- Quickly identify low-carbon solutions that satisfy the client's desired outcomes
- Synthesise holistic design approaches that encompass low-carbon solutions beyond structural components

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Entry criteria

Must have completed the *Embodied Carbon Basics* on-demand course.

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £515 + VAT |
| Member rate | £575 + VAT |
| Standard rate | £765 + VAT |

*Available until one month prior

25% discount on associated publications:

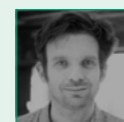
See website for details

Tutors



Will Arnold is Head of Climate Action at the IStructE and a Chartered Environmentalist

specialising in the decarbonisation of the built environment. He spearheads the Institution's climate emergency response, integrating this focus into all aspects of the organisation's work, including the development of best-practice emergency guidance. Before his current role, Will worked as a structural engineer at Arup for over 10 years. He is also a member of the Structural Awards Judging Panel and serves on the Editorial Advisory Group for *The Structural Engineer*.



Oliver Broadbent is an Honorary Fellow of the IStructE, recognised for his inspiring work on regenerative design, contributing towards the Institution's goal of making the world a safer and more sustainable place. He is the founder and director of Constructivist,

working with leaders, teams, and organisations to enhance their skills in design, creativity, and regenerative thinking. Oliver has also been an 1851 Fellow in Regenerative Design and was awarded the Sir Misha Black Award for Innovation in Design Education in 2020.

Climate emergency (five-volume package)

Essential titles from the Institution to assist built environment professionals in tackling the climate emergency.

Comprising of:

- Design for zero
- How to calculate embodied carbon (2nd edition)
- The Future of Structural Engineering
- Circular economy and reuse: guidance for designers
- The regenerative structural engineer



Buy now:

istructe.org/resources/guidance/climate-emergency-package

Practical law: contract law for engineers

Course date:
 **8 July**

Aim

This popular one-day course aims to provide participants with a practical understanding of essential aspects of contractual relationships. It simplifies complex language, elucidates key concepts, and equips attendees with the knowledge needed to navigate engineering and construction contracts effectively, thereby avoiding common pitfalls.

Learning outcomes

By the end of the course, you should be able to:

- Analyse the various methods through which contracts are established and the responsibilities they entail
- Decipher legal terminology and grasp technical terms related to contractual and professional responsibilities
- Evaluate critical negotiation points to prioritise during discussions
- Utilise contracts effectively throughout the life-cycle of your projects to optimise progress and mitigate risks

Contributes to IPD Core Objective **10**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £335 + VAT |
| Member rate | £375 + VAT |
| Standard rate | £495 + VAT |

**Available until one month prior*

Tutor





Rob Langley took an MA in Law, then qualified both as a Barrister and as a Solicitor, and has 40 years' experience of engineering and construction law. Before specialising in training and consultancy, he was a law firm partner practising in this expert field. He has been retained by numerous professional indemnity insurers and has represented and defended hundreds of engineers and other design professionals. A Fellow of the Chartered Institute of Arbitrators, Rob is a busy Construction Adjudicator, and a CMC-registered Civil Mediator.



The course was exactly what I wanted. All of the aspect raised by our P.I. insurers when asked to comment on contracts or the occasional warranty were included, together with a reminder of why we have certain clauses in our terms of agreement. Additionally and perhaps more importantly were the reminders of potential pitfalls.

Practical law: dealing with domestic clients

Course dates:
 **19 February 13:00 – 17:30 GMT**
 **7 October 13:00 – 17:30 BST**

Aim

This half-day course is tailored for engineers operating within the domestic and small commercial sectors. It aims to equip participants with a comprehensive understanding of specific contractual and legal challenges they may encounter. Additionally, it highlights common legal pitfalls that can be mitigated through proper awareness and understanding.

Learning outcomes

By the end of the course, you should be able to:

- Negotiate and document clear, enforceable agreements with non-professional clients
- Understand the context of consumer protection regulations
- Identify and prevent misunderstandings related to fees, project variations, delays, and respective responsibilities of both parties and contractors
- Handle complaints appropriately and professionally
- Enhance your communication skills to facilitate smoother payment processes

Contributes to IPD Core Objective **1, 2, 10**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £245 + VAT |
| Member rate | £275 + VAT |
| Standard rate | £365 + VAT |

**Available until one month prior*

Tutor



Rob Langley took an MA in Law, then qualified both as a Barrister and as a Solicitor, and has 40 years' experience of engineering and construction law. Before specialising in training and consultancy, he was a law firm partner practising in this expert field. He has been retained by numerous professional indemnity insurers and has represented and defended hundreds of engineers and other design professionals. A Fellow of the Chartered Institute of Arbitrators, Rob is a busy Construction Adjudicator, and a CMC-registered Civil Mediator.



I found it extremely helpful. I received more out of this than any other seminar I have done with the Institution, as it was good to know what I was doing right and what I was doing wrong.

Practical law: client appointments and terms of engagement

Course date:
📅 21 April

Aim

This masterclass centres on analysing intricate commercial contracts generated by clients. It aims to empower engineers to scrutinise commercial issues, assess potential implications and risks, and adeptly devise innovative negotiating strategies. Collaborative activities apply genuine client contracts to craft pragmatic solutions.

Learning outcomes

By the end of the course, you should be able to:

- Analyse and interpret key issues recurring in client-led appointments
- Evaluate and avoid clauses concerning strict liability, fitness for purpose, and unfair warranty obligations
- Assess and formulate responses to attempts aiming to transfer risk for variations, delays, and unforeseen events from client to engineer
- Recognise the implications of assignment, staff naming, coordination duties, and third-party design responsibilities
- Appraise and negotiate in reaction to exclusion and limitation clauses
- Critically examine conditions precedent and their impact on the profit margin

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £335 + VAT |
| Member rate | £375 + VAT |
| Standard rate | £495 + VAT |

**Available until one month prior*

Contributes to IPD Core Objective 10

Practical leadership and communication skills

Course dates:
📅 Dates to be announced. Please check website.

Aim

Develop your ability to effectively communicate with, lead and influence the people you work with. This practical course is delivered as workshops across five weeks. The course will develop your self-awareness, helping you to communicate your expertise, have influence and engage confidently with colleagues and stakeholders.

Learning outcomes

By the end of the course, you should be able to:

- Improve your working relationships and your influence on others
- Improve your impact on teams and individuals
- Gain and maintain trust
- Empower colleagues and those you manage
- Communicate effectively with clients and project stakeholders
- Negotiate and agree goals and expectations

Contributes to IPD Core Objective 2, 9

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|--------------|
| Early booking member rate* | £675 + VAT |
| Member rate | £745 + VAT |
| Standard rate | £1,015 + VAT |

**Available until one month prior*

Tutor



Nick Zienau has worked as a consultant facilitating organisational change, training leaders and coaching executives in communication and relationships for the past 25 years – working in the UK and many countries in mainland Europe. His passion is for work with socially engaged leaders and organisations. That often takes him back into education, in work with NGOs and other not-for-profit organisations, and with enterprises who take their social impact seriously.



Nick is an excellent coach, and the sessions were extremely useful for developing soft skills, including self-awareness and effective communication. I learned how to communicate more effectively, including the appropriate tone to use and how to approach various situations. Highly recommended!

Tutor



Rob Langley took an MA in Law, then qualified both as a Barrister and as a Solicitor, and has 40 years' experience of engineering and construction law. Before specialising in training and consultancy, he was a law firm partner practising in this expert field. He has been retained by numerous professional indemnity insurers and has represented and defended hundreds of engineers and other design professionals. A Fellow of the Chartered Institute of Arbitrators, Rob is a busy Construction Adjudicator, and a CMC-registered Civil Mediator.



Rob is clearly very knowledgeable and experienced. The review of contracts sent in I found particularly useful.

Rapid calculations for structural engineers

Course dates:

 **24 April 10:00 – 13:30 BST**

 **30 October 10:00 – 13:30 GMT**

Aim

This half-day online course provides a theoretical framework for rapid problem-solving concept calculations. Applying this to practical exercises, attendees will learn how to undertake rapid calculations for different structural members using a small scheme as an example and considering deflection, limit and materials.

Learning outcomes

By the end of the course, you should be able to

- Understand the difference between rapid concept calculations and detailed design calculations
- Employ a useful framework for rapid calculations using typical structural design problems
- Use your own experience to inform your rapid design calculations
- Consider the types of questions to ask and have the confidence to answer others quickly

Contributes to IPD Core Objective **3, 4**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £225 + VAT |
| Member rate | £245 + VAT |
| Standard rate | £345 + VAT |

**Available until one month prior*

Tutor



Rachael De'Ath has more than 20 years of design experience working for Arup and more recently Marbas as well as three years lecturing at the University of Bristol teaching design and has continued her role as a visiting lecturer. She has a broad range of experience but prefers to work on existing buildings where she uses her skills and experience to re-imagine the existing structure into something new. She was named as one of the Women's Engineering Society's 'Top 50 female engineers' in 2018 and is an active member of her local IStructE regional group committee.



Rachael De'Ath hosted brilliantly. It was really well paced and engaging, with good examples of when we can use these tricks. I feel like it will be very helpful for the Structures Exam, as well as general use.

Reinforced concrete essentials

Course date:

 **24 September**

Aim

This course establishes good practice in the design of reinforced concrete structures. Through practical exercises it covers concept, design, flat slabs and finite element analysis.

Learning outcomes

By the end of the course, you should be able to

- Carry out preliminary sizing of reinforced concrete elements
- Design simple elements to Eurocode 2
- Use simple design software and have an appreciation of finite element analysis
- Understand modern concreting methods

Contributes to IPD Core Objective **3, 4, 6**

Intended for

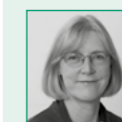
- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

**Available until one month prior*

Tutor



Jenny Burridge is the Head of Education and Training at The Concrete Centre. She is a Fellow of the IStructE and a Chartered Member of the ICE, with over 30 years of experience in the construction industry. Jenny has previously worked for Arup and AECOM, where she designed award-winning buildings in both the UK and mainland Europe. She chairs the BSI Advisory Committee for Engineering Design and Construction.

Reliability, resilience and robustness in structural engineering design

Course date:
📅 21 September

Aim

This interactive online course shares current state-of-the-art frameworks for the adoption of resilience-based design in professional practice, demonstrating advantages compared to a traditional prescriptive design and providing examples of how they benefit the client.

Learning outcomes

By the end of the course, you should be able to:

- Differentiate between reliability, risk and resilience when quantifying structural performance
- Appreciate the role of robustness and resilience in the design of structures
- Understand the role of aleatory and epistemic uncertainties in the design of structures
- Decide which design situations are best suited for the adoption of performance-based approaches, and justify their use in practice
- Break down the application of performance-based design into sequential stages; from assessing the relevant hazards to estimating the resulting losses
- Recommend a range of structural and non-structural solutions to enhance resilience and robustness

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

**Available until one month prior*

Contributes to IPD Core Objective **3, 4**

Tutors



Prof Caroline Field is a Partner at PA Consulting and leads their resilience business. Caroline has a background in asset and infrastructure resilience with over 26 years of professional experience including 12 years in counter terrorism, blast mitigation and physical security and seven years in earthquake engineering and dynamics.



Dr Andre Jesus is a Chartered Structural Engineer (Portugal) and a Lecturer in Structural Engineering at Loughborough University, UK. Andre has research expertise in structural dynamics, including structural health monitoring of bridges and timber buildings, human-structure interaction effects with application for modal testing, and modelling of railway infrastructure under high-speed trains passage.

Seismic design of structures

Course dates:
📅 26 – 27 May

Aim

This course introduces seismic design of civil engineering structures. It builds on the basics of structural dynamics and engineering seismology. The course focus is on seismic loading and design codes, conceptual seismic design principles and analysis for seismic loading, and design and detailing of structural members.

Learning outcomes

By the end of the course, you should be able to:

- Identify situations where earthquake loading must be included in the design of structures and how to define this loading
- Understand the basic principles of seismic design and select appropriate performance requirements for structures subjected to earthquake loads
- Select an appropriate structural configuration for a building situated in a seismic zone
- Analyse a building for seismic loading
- Design and detail reinforced concrete structures
- Appreciate seismic design and detailing of steel and steel-concrete composite structures and highway bridges

Contributes to IPD Core Objective **3, 4**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £565 + VAT |
| Member rate | £625 + VAT |
| Standard rate | £835 + VAT |

**Available until one month prior*

25% discount on associated publications:
See website for details

Tutors



Agathoklis Giaralis is Associate Professor at Khalifa University, Abu Dhabi, leading the S3I research group on Smart Sustainable Structures and Energy Infrastructure, and Visiting Professor at City, University of London (CUoL). His research is primarily in structural dynamics with emphasis on wind and earthquake engineering applications focusing on probabilistic analysis methods and on vibration control and monitoring for high-performing structures.



Dr Miguel Bravo-Haro is a Lecturer in Sustainable and Structural Engineering in the department of Civil Engineering at CUoL. His areas of research span from earthquake and seismological engineering, digital infrastructure and condition monitoring to data-driven and structural health monitoring.



Dr Panagiotis Mergos is Senior Lecturer in Structural Engineering and the Programme Director of the MSc in Civil Engineering Structures at CUoL. He has worked for 18 years in seismic design and assessment of structures as a researcher and as a consultant and he is panel member of the UK Mirror Group MG2 developing the next integration of Eurocode 8, Part 1.

Steel essentials: practical design of structural steelwork

Course date:
📅 5 October

Aim

This course presents practical guidance on key aspects of preliminary scheme development and detailed scheme design in structural steelwork.

Learning outcomes

By the end of the course, you should be able to:

- Compare steel construction options available at preliminary scheme development and determine the optimum design solution
- Apply a simple methodology for preliminary sizing of members to enable budget costing to be developed
- Judge the significance of steel grade and subgrade for structural steelwork and their suitability for specification
- Understand the responsibilities for different parties under UKCA Marking
- Describe key aspects of robustness and corrosion protection
- Design for fire and assess the benefits of critical temperature calculation for fire protection
- Identify resources available to assist with the use of structural steelwork in construction

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

25% discount on associated publications:
See website for details

Contributes to IPD Core Objective **3, 4, 5**

Tutor



Richard Dixon is a Chartered Engineer who has worked in the steel industry for 25 years.

Before partnering with Steel for Life, he worked for British Steel/Corus/Tata Steel in various roles. He led the Structural Advisory Service at Tata Steel in the joint venture with the BCSA to promote efficient design in structural steelwork to the UK construction industry.

Structural concepts: designing more efficient structures

Course date:
📅 1 – 2 June 10:00 – 13:30 BST

Aim

This online course introduces four core structural concepts, intuitively interpreted from the Principle of Virtual Work, together with corresponding implementation routes and physical measures, empowering structural engineers to design more effective, efficient, and elegant (3E) structures.

Learning outcomes

By the end of the course, you should be able to:

- Construct a “tree of knowledge” linking theory to application
- Develop and strengthen structural intuition
- Gain an appreciation for innovative engineering solutions that use one or more of the four structural concepts and achieve effective, efficient, and elegant (3E) designs
- Explore avenues for further development of implementation routes and physical measures

Contributes to IPD Core Objective **3**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutor



Dr Tianjian Ji, FStructE, was Reader in Structural Engineering at the University of Manchester.

He developed “Seeing and Touching Structural Concepts” for gaining an intuitive understanding by using simple physical models and appropriate practical examples. He is the author of two books: *Understanding and Using Structural Concepts* and *Structural Design against Deflection*.

Structural engineering appreciation for construction industry professionals

Course date:
📅 30 September

Aim

A guide to the field of structural engineering for the integrated design of building structures.

Learning outcomes

- By the end of the course, you should be able to:
- Appreciate how forces due to gravity and other effects are resisted in a building's structure
 - Demonstrate a knowledge of the tools available to the structural engineer to counter these effects
 - Appreciate the concept of efficient design and its impact on embodied energy
 - Appreciate finite element analysis methods
 - Develop an appreciation of key engineering concepts and terminology

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutor



Chris O'Regan has been working in the field of structural engineering for over 35 years and draws from his experience from developing structures for a large variety of buildings ranging from music halls through to stadia and everything in between. Chris created this course to highlight the need for greater integration in the design of buildings in the wake of Building Safety Act 2022. Chris has been actively involved with advising construction professionals on the impact the Building Safety Act will have in how it will impact the method of design of buildings.

Structural engineering with bamboo

Course dates:
📅 16 – 17 June 10:00 – 13:30 BST

Aim

This course equips attendees with practical knowledge about structural design with bamboo stems (culms). The course considers aspects of concept design, detailed design and durability by design.

Learning outcomes

- By the end of the course, you should be able to:
- Describe the structural characteristics of bamboo culms
 - List and interpret the advantages and limitations of using bamboo culms as a structural product
 - Identify where and how bamboo culms may be used appropriately within a building structure
 - Determine the capacity of bamboo culms and their connections through basic calculations
 - Examine the state-of-the-art of structural design with engineered bamboo

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Contributes to IPD Core Objective **3, 4, 5, 6**

Tutors



David Trujillo has authored and coauthored over 50 publications on the structural use of bamboo and has been deeply involved in the development of bamboo codes and standards internationally, including ISO standards. Amongst his publications, it is worth highlighting the new IStructE bamboo design manual he coauthored with Sebastian.

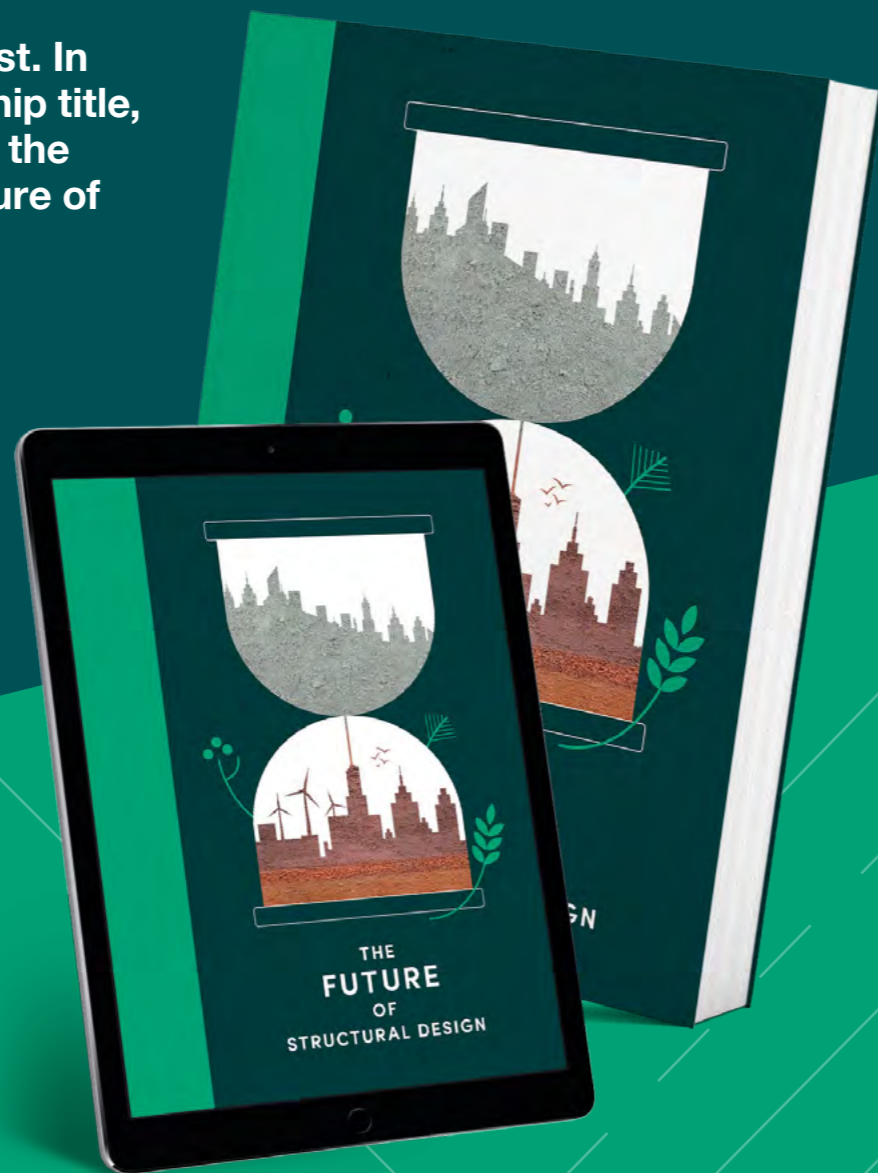


Seb Kaminski is an Associate Structural Engineer in Arup's Specialist Technology Analytics & Research Team and a specialist in the use of bamboo, especially for housing in seismic areas. He has co-authored technical papers on bamboo in *The Structural Engineer* and was also involved in the revision of ISO 22156 (Structural Design of Bamboo).

The future of structural design

The world is changing, fast. In this new thought leadership title, the authors try to answer the question “What is the future of structural design?”

Central to their response is an examination of the role of uncertainty in the design process. This book is a “What if?” rather than a “How to” – founded in the theory of reliability and risk-based design.



Buy now:

istructe.org/resources/guidance/the-future-of-structural-design

Technical

Structural fire engineering

Course date:

 30 September

Aim

This course is designed to provide structural engineers with a greater understanding of fire safety, key legislation, and the principles of risk analysis in order to ensure that adequate structural performance in fire is achieved. You will examine case studies of structural and non-structural failures as a result of fire.

Learning outcomes

By the end of the course, you should be able to:

- Recognise the characteristics of fires in buildings and understand the effect on structural materials, elements and whole structures
- Understand the principles of relevant UK fire safety legislation and the responsibilities of structural engineers
- Classify potential hazards
- Appreciate various techniques for modelling both fires and the structural behaviour when exposed to such fires

Contributes to IPD Core Objective **3, 4, 8**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Tutors

Ian Burgess and **Roger Plank** started their research on structural fire engineering in 1985 at the University of Sheffield, simulating the behaviour of isolated steel elements in furnace tests. Their numerical approaches developed rapidly and they played a key role in the Cardington fire test programme, leading to the development of the award-winning software Vulcan. This has been used extensively on real design projects for modelling the 3-dimensional behaviour of steel-framed, composite and concrete structures in fire, including tensile membrane action. They have also studied the robustness of frames, conducting unique high-temperature experimental work at Sheffield on connection component behaviour and on model-scale testing of concrete slabs.

Their research was recognised through a major award from the ASCE, and their Vulcan software won two national prizes in 2005 from the British Computer Society. Their research group generated 35 PhD graduates, and the research work is now being taken further by their successors at the University of Sheffield.

Structural health monitoring

Course dates:

 20 – 21 October

Aim

The course will provide a practical introduction to data acquisition for structural condition monitoring and for use in live asset management projects.

Attendees will learn using contextualised examples the basic principles of data acquisition and instrumentation, signal processing and interpretation techniques. The course include practical hands-on exercises, requiring attendees to first acquire data, and then complete analysis and interpretation using programming tools.

Learning outcomes

By the end of the course, you should be able to:

- Gather data using acoustic techniques and ground penetrating radar
- Appreciate how to interpret data using programming tools
- Monitor the quality of existing concrete structures and understand deterioration
- Assess how well a concrete structure has been built

Contributes to IPD Core Objective 4

Intended for

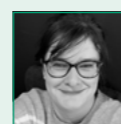
- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £565 + VAT |
| Member rate | £625 + VAT |
| Standard rate | £835 + VAT |

*Available until one month prior

Tutors



Victoria Edmondson is a Chartered Structural Engineer with over two decades of experience spanning both academia and industry. Her recent work focuses on remote sensing technologies and digital platforms for monitoring infrastructure condition, with particular expertise in concrete deterioration. She has led and collaborated on research projects with organisations including National Highways and Gatwick Airport, developing innovative, non-contact techniques for assessing asset health. A Fellow of multiple professional institutions, she is committed to advancing sustainable infrastructure through teaching, research, and professional engagement.



Prof James Martin is a geophysicist with extensive research experience, particularly in physical and chemical measurement systems, signal fidelity and its impact on subsequent data interpretation. He has extensive signal processing and data analysis expertise, including the development and characterisation of fibre optic sensor measurement systems.

Structural robustness and disproportionate collapse

Course date:

 6 May

Aim

This course equips practising engineers to undertake the full structural design of a building, including designing a robust building to avoid disproportionate collapse. The course covers designing buildings of Class 1–2B and alterations/change of use of existing buildings.

Learning outcomes

By the end of the course, you should be able to:

- Describe the layout and structure of a robust building and explain what makes a building vulnerable
- Summarise which legislation is relevant to disproportionate collapse and identify key clauses
- Classify buildings into their types, with respect to building use and size
- Outline different approaches for achieving robustness
- Determine a strategy for robustness compliance for buildings of different material types, use and size
- Have an appreciation of fire protection of different building materials and how fire safety plays a role in all building design

Contributes to IPD Core Objective 3, 4

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|----------------------------|------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

25% discount on associated publications:
See website for details

Tutor



Gavin Knowles is a lecturer at the University of Bath and prior to this has practised as a Chartered Structural Engineer. His previous projects including many education and office buildings, along with conservation and refurbishment projects, interweaved with diverse structures, such as rammed chalk-walled houses, recycled material stages at WOMAD Festival and the odd sculpture. He now teaches structural design, conservation and leads on student design projects.

Sustainability leadership for structural engineers

Course dates:

 **4 & 18 March 13:30 – 16:30 GMT**

Aim

This course will support senior structural engineers to develop the mindset and strategic tools to lead sustainability transformation in the built environment. Through engaging with ethical reflection, systems thinking, and collaborative approaches, attendees will develop their ability to reframe sustainability as a core design principle—enabling long-term, socially responsible, and adaptable engineering solutions that drive cultural change across projects and organisations.

Learning outcomes

By the end of the course, you should be able to:

- Identify the social impacts of sustainable design
- Describe the wide impact of ethics on a project
- Recognise the importance of collaboration (why early-stage multidisciplinary optimisation is key to drive sustainable outcomes)
- Encouraging longer term thinking
- Appreciate a new frame of thinking for key built environment sustainability challenges
- Develop strategies for shifting organisational culture toward prioritising sustainability

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £335 + VAT |
| Member rate | £375 + VAT |
| Standard rate | £495 + VAT |

**Available until one month prior*

Contributes to IPD Core Objective **6, 9**

Temporary works design

Course dates:

 **4 – 5 February**

 **1 – 2 July**

 **23 – 24 September**

Aim

This two-day course provides participants with an understanding of the basic principles of temporary works design.

Learning outcomes

By the end of the course, you should be able to:

- Describe the principles of basic temporary works design methodologies
- Explain temporary loads, potential modes of failure and practical considerations
- Calculate concrete pressures and design formwork, falsework and back-propping
- Design a simple trench support scheme
- Apply basic wind loading, and design a site hoarding
- Design outrigger spreader pads for mobile cranes
- Design a simple needling scheme
- Apply the principles behind temporary works for demolition, facade retention and structural propping, basement construction and scaffolding design
- Discuss loads and modes of failure

Contributes to IPD Core Objective **3, 4, 7**

Intended for

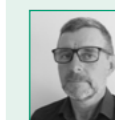
- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £565 + VAT |
| Member rate | £625 + VAT |
| Standard rate | £835 + VAT |

**Available until one month prior*

Tutor



Ray Filip is a Fellow of the Institution of Civil Engineers with 40 years' experience in the field of temporary works design, construction and management. He has spent 20 years working for contractors in the UK and abroad and is a member of the committee responsible for revising BS5975 (British Standard for temporary works). Ray formed RKF Consult Ltd in 2007, which is now part of Richter Associates. Ray has been involved in authoring and editing numerous temporary works publications – most recently *Temporary Works Part Two – Further Principles of Design and Construction*.



A course that opens your eyes and mind to the essence of Temporary Works and the responsibility resting with designers and participants in the process. Hats off to Ray Filip, his experience and skill in sharing knowledge! Great two days!

Timber workshop: design through worked examples

Course date:
📅 20 October

Aim

This advanced practical workshop teaches complex timber engineering through worked examples. It encourages problem-solving through teaching tools and group discussion.

Learning outcomes

By the end of the course, you will learn about:

- Member sizing
- Tapered and curved members
- Connections, moment connections and avoiding brittle failures
- Fire design
- Stability and vertical diaphragm walls
- Vibration analysis
- Strength and stiffness of cross-laminated timber
- Glued-in rods

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Entry criteria

Attendance at the *Eurocode 5: The Essentials of Timber Design* course or familiarity with timber engineering to Eurocode 5.

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £315 + VAT |
| Member rate | £355 + VAT |
| Standard rate | £465 + VAT |

*Available until one month prior

Contributes to IPD Core Objective 3, 4, 5

Tutor



Dr Keerthi Ranasinghe is an Associate at Milner Associates and was previously the Principal Engineer for Structural Timber at BM TRADA. Formerly an academic with research and teaching experience both in the UK and abroad, Keerthi has delivered timber courses for IStructE since 2008. He is the author of several TRADA publications, including *Span Tables to Eurocode 5*, and the Institution's *Manual for the design of timber building structures to Eurocode 5, 2nd edition*. He sits on British and European Standardisation Committees related to timber design.

25% discount on associated publications:
See website for details

Understanding structural behaviour

Course dates:
📅 15 – 16 April
📅 13 – 14 October

Aim

This two-day course shows engineers how to arrive at a qualitative solution to both create a structure and check computational results.

Learning outcomes

By the end of the course, you should be able to:

- Apply powerful, qualitative (non-numerical) techniques to the solution of a range of framed structures
- Apply checking protocols for computer output and establish a reliable interpretation of the results
- Apply the qualitative approach to the approximate analysis of structures as an aid to the creation of the structural model
- Utilise the knowledge gained to develop and practise these skills in the design office

Contributes to IPD Core Objective 3, 4

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £565 + VAT |
| Member rate | £625 + VAT |
| Standard rate | £835 + VAT |

*Available until one month prior

Tutor



Mark Moppett has over 40 years of experience and was Senior Partner and then Managing Director at Booth King from 2006 to 2024. Prior to his role at Booth King, Mark was an Associate with international consultancy Arup in London, Hong Kong and latterly Manchester, delivering projects both nationally and internationally. He is now a Director at DeSimone Consulting Engineers in the UK, Europe and UAE with an integrated role as Structural Engineer and Expert Witness in dispute resolution. He remains a fully practising engineer, committed to the training and development of engineers.



It's a privilege to take a course taught by Mark, and I can confidently say it was a transformative experience. His teaching style made the course so impactful. I have not only gained an understanding of the subject matter but also developed valuable skills that I can apply in my professional life.

Understanding structural design

Course dates:

 **3 – 4 June**

Aim

This two-day course extends the principles developed in the *Understanding structural behaviour* course. It covers more complex real structures and failures, and the important skills of approximate analysis for checking computational output and member sizing.

Learning outcomes

By the end of the course, you should be able to:

- Review the modelling process
- Recognise the fundamental behaviour of structural elements
- Determine initial sizes of most structural elements in steel and reinforced concrete including foundations and stability systems
- Develop overall scheme designs for building structures
- Appreciate overall structural equilibrium
- Interpret and explain the behaviour of real structures
- Reduce complex structures to simpler forms
- Avoid dependence on computer analysis and design
- Learn from real case studies

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Entry criteria

Attendance at the *Understanding structural behaviour* course is recommended.

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £565 + VAT |
| Member rate | £625 + VAT |
| Standard rate | £835 + VAT |

**Available until one month prior*

Contributes to IPD Core Objective **3, 4**

Tutor



Mark Moppett has over 40 years of experience and was Senior Partner and then Managing Director at Booth King from 2006 to 2024. Prior to his role at Booth King, Mark was an Associate with international consultancy Arup in London, Hong Kong and latterly Manchester, delivering projects both nationally and internationally. He is now a Director at DeSimone Consulting Engineers in the UK, Europe and UAE with an integrated role as Structural Engineer and Expert Witness in dispute resolution. He remains a fully practising engineer, committed to the training and development of engineers.



Mark has ran the best CPD course I have attended. He is a brilliant and engaging presenter who keeps his audience active and attentive.

Writing skills for engineers

Course date:

 **27 April**

Aim

This course helps to improve the quality of written reports and reduce the time you spend writing. It covers how to adapt writing style for different documents and audiences. It will provide some grammar best practice to help with clear and concise writing.

Learning outcomes

By the end of the course, you should be able to:

- Write in a direct and concise style
- Adapt your writing style to a range of audiences
- Write efficiently and not waste time
- Use digital tools for better writing
- Evaluate where to put your effort to improve your writing

Contributes to IPD Core Objective **2**

Intended for

- Graduate engineer
- Mid-career engineer
- Senior engineer/Team leader/Manager
- Business leader/Director (inc SMEs)
- Academic/Researcher
- Other built environment professionals and engineers

Price

| | |
|-----------------------------------|-------------------|
| Early booking member rate* | £335 + VAT |
| Member rate | £375 + VAT |
| Standard rate | £495 + VAT |

**Available until one month prior*

Tutor



Penny Taylor has combined an engineering career in the automotive industry and academia with postgraduate qualifications in teaching, coaching and psychology. She has been teaching Finance, Communication and Management to engineers for over 15 years, based on practical lessons learned during her engineering career.



Penny was very engaging and enthusiastic. The organisation of the text/document was very useful for me and also tips how to avoid wrongdoings.

Frequently asked questions

Q. How can I get 25% discount on associated publications?

The Institution's manuals and guides act as a valuable supplementary resource to the live teaching – and where relevant, are identified in the course description. An exclusive **25% discount** is available to course participants. Email library@istructe.org to claim your discount code.

Q. Why are some courses more expensive than others?

IStructE members pay approx. 30% less than the standard (non-member) rate.

If you book more than one month prior to the course date you can take advantage of the lower early booking rates.

Our pricing is benchmarked against training offered by other professional membership bodies.

Any surplus generated is Gift Aided back to the Institution to further its charitable aims.

Q. Can I book on behalf of someone else?

Yes. Select the 'Book now' button on the course page, tick 'Booking on behalf of someone else' and then select 'Add delegate'. If the delegate is a member of the Institution, you must enter the email associated with their membership to receive the member rate.

Q. Are there reduced rates for students or those that are unemployed or on low incomes?

The CPD programme is generally aimed at postgraduates and those further on in their careers. It is therefore not suitable for undergraduate students, and so we have not set a student rate. Any Institution member who is paying the Low Income Reduction (LIR) membership subscription fee will automatically receive the same percentage reduction on course bookings. The LIR rate is often an option for postgraduate students, or those on low incomes or not in employment, etc. If you believe this applies to you, please contact training@istructe.org.

Q. Are the courses mostly in London?

The 2026 professional development programme will be delivered primarily online to maximise accessibility. Some courses will be held at our London headquarters and other locations.

Alternatively, many of our courses can be delivered to your teams on your premises, at a place and time that suits your organisation.

Q. Can I cancel my booking?

Yes. You can request a cancellation via your IStructE online account or by emailing training@istructe.org. See terms and conditions for further detail.

Q. Can live courses be recorded to watch back on-demand?

No. Our courses are run as workshops with a limited number of participants. This is so we can give tutors the opportunity to build hands-on, individual and group work into the day and give participants the chance to ask questions. This format doesn't lend itself to livestreaming or filming in the same way as a lecture.

Q: I have booked on a course. What happens now?

You will receive a booking confirmation when you book, then joining instructions and further information two weeks prior to the course date.

If you have any queries please get in touch with training@istructe.org at any time.

Terms and conditions

By booking your place on a Continuing Professional Development Course you are entering into a binding agreement. Your booking is confirmed as soon as payment is received. If you request an invoice to pay by BACS, your booking will not be confirmed until payment has reached our account.

If you are attending in-person training you are advised to take out appropriate travel insurance, as we will not accept any liability for travel, accommodation or other expenses incurred as a consequence of a possible course cancellation or postponement. In any event, The Institution of Structural Engineers will not accept liability for any loss, including incidental or consequential damages, etc.

Definitions

For the purposes of these terms and conditions:

the “Course” refers to the Professional Development workshop or lecture

“Participant” means a person for whom you have ordered or purchased a place to the Course including yourself (if you are an individual)

“Venue” means The Institution of Structural Engineers, 47-58 Bastwick Street, London, EC1V 3PS, UK (unless otherwise stated).

“we”, “us” and “our” means IStructE Limited, a company registered with Companies House and incorporated in England and Wales (registered number 2444141). IStructE Limited is the wholly-owned trading subsidiary of The Institution of Structural Engineers. The registered address for IStructE Limited is 47-58 Bastwick Street, London, EC1V 3PS

“you” and “your” means, if you are acting as a consumer, the person named on the Course booking and if you are acting as a business, the organisation named as the “Company” on the Course booking.

Price and Payment

Ticket prices are exclusive of VAT.

Bookings should be made online and paid via Visa or Mastercard. You can also request to pay by BACS. An invoice will be supplied within two working days.

Payment must be received by The Institution of Structural Engineers within 14 days of the invoice date.

Your place on the Course is confirmed once payment has been received in cleared funds. You will receive confirmation of your booking by email.

We reserve the right to change (for a reasonable alternative) the delivery format, start and finishing times, dates, speaker or presenter and the venue of the Course without incurring any liability to you.

The price does not include any travel costs or any costs of accommodation. The price relates solely to attendance at the course, (which includes refreshments and a buffet lunch for full day face-to-face courses only).

Special requirements

Special requirements must be requested at least five working days prior to the Course. Any requests made after this date cannot be guaranteed and additional charges may apply, including, but not limited to vegan or kosher menus; special access requirements.

Communication

You accept that communication with us may be electronic. We may contact you by email or provide you with information by posting notices on our website. For contractual purposes, you agree to this electronic means of communication and you acknowledge that all contracts, notices, information and other communications that we provide to you electronically comply with any legal requirement that such communications be in writing. This condition does not affect your statutory rights.

We may give notice to you at either the email or postal address you provide to us on booking, or in any of the ways specified. Notice will be deemed received and properly served immediately when posted on our website, 24 hours after an email is sent, or three days after the date of posting of any letter.

In proving the service of any notice, it will be sufficient to prove, in the case of a letter, that such letter was properly addressed, stamped and placed in the post and, in the case of an email that such email was sent to the specified e-mail address of the addressee.

All notices given by you to us must be given to The Institution of Structural Engineers, 47-58 Bastwick Street, London, EC1V 3PS, UK, or by email to training@istructe.org.

Cancellations

Cancellations can be requested online or by email. If you cancel on or before 28 days before the Course date, we will refund your booking fee in full or cancel your invoice. If you cancel less than one month before the Course no refund will be given. If an invoice was requested and you request a cancellation less than a month before the Course, you will still be liable to complete payment.

If we cancel the course, we will refund all booking fees paid. We do not, however, accept liability for travelling, accommodation or any other expenses incurred as a result of any cancellation or postponement of the Course.

Our liability for loss or damage incurred as the result of cancellation or postponement of the Course is limited to the amount of your booking fee.

If the Course is postponed for reasons beyond the direct control of the organisers (Force Majeure), this booking will be transferred to the revised date of the Course and all these Terms and Conditions shall apply to any such transferred booking.

If we haven't received a minimum number of bookings, we may need to cancel a course. We will offer a full refund or a transfer to a future date.

The Course

A substitution of a Participant named on your booking can be requested by giving written notice to us. We reserve the right to accept or deny your request.

During the Course the presenter may use their own copyrighted material. Any unauthorised recording, copying or posting of this material is an infringement of their copyright.

We reserve the right to refuse entry to the Course to any Participant if, in our opinion or the opinion of the presenter, the Participants' behaviour is considered inappropriate. In this case they may be refused entry or asked to leave and excluded from the Course without refund or compensation. Reasonable security searches at the Venue may take place.

Liability

The Institution of Structural Engineers shall not be liable to you or any Participant (whether such liability arises in contract, tort (including negligence) or otherwise for:

any loss of profit, loss of or damage to reputation or goodwill or any indirect, special or consequential damages, loss, costs, claims or expenses of any kind; and/or

any loss or damage arising from a failure or delay in performing our obligations under the Contract to the extent that

such failure or delay was caused or contributed to by an act or omission by you or any Participant.

The exclusions and limitations of liability shall not apply to any loss suffered by any person arising out of:

the fraud and/or fraudulent misrepresentation of the person seeking to rely on the exclusion or limitation; and

death or personal injury resulting from negligence on the part of the person seeking to rely on the exclusion or limitation.

You are responsible for taking appropriate insurance cover in connection with your attendance at the Course. Where a Participant is travelling from outside of the United Kingdom to attend the Course, appropriate travel insurance should be purchased independently and in advance of any travel or travel bookings.

The views expressed by any presenter at the Course are representative of the presenter's own opinions and cannot in any way be attributed to us. We are not liable for the content of the Course, although we take reasonable checks to ensure that it is appropriate.

Correspondence Address:

Professional Development Courses
IStructE Limited
47-58 Bastwick Street
London EC1V 3PS

Email: training@istructe.org

Certificate in Structural Behaviour

Take a step closer to becoming professionally qualified. Graduate members who pass this exam can use the GIStructE designation. Demonstrate to employers, colleagues, clients and the public that you have an exceptional understanding of structural behaviour.

**Graduate Member
price now £85**



Register for exam:
istructe.org/sbcertificate

CPD mandatory reporting scheme

Structural engineering is constantly evolving, and keeping up to date with technical and professional developments is essential.

If you're a practising, professionally qualified member of the Institution (Fellow, Chartered, Associate, Associate-Member or Technician Member) we may contact you and ask you to submit a CPD Record as part of the Mandatory Reporting Scheme. Your record should outline how you have accumulated 30 CPD 'hours' per annum.

If you don't submit a record upon request, you may be removed from membership (although we would always consult with you first and mitigating circumstances can be taken into account).

Attending one of our CPD courses is a great way to demonstrate CPD but there are many other options.

You can demonstrate your development by working with Institution committees, panels and study groups; watching recorded lectures and conferences; reading *The Structural Engineer* and other Institution publications; volunteering your time for education and careers activities; and through your own practical experience.



Find all the CPD information you need at:
www.istructe.org/training-and-development

Book your course:

Visit www.istructe.org/cpd-2026

Take advantage of our discounts—

10% off all courses for IStructE members when you book more than a month in advance

25% off a course's associated publication where listed

10% discount for group bookings of more than 5 attendees on a course

Consider other great ways to gain CPD—

Read *The Structural Engineer*
istructe.org/thestructuralengineer

Access our extensive back catalogue of technical lectures and webinars on-demand
istructe.org/resources

Participate in IStructE conferences and events
istructe.org/events

Book online:

istructe.org/cpd-2026

The Institution of Structural Engineers
47-58 Bastwick Street
London
EC1V 3PS
UK

T +44 (0)20 7235 4535
E training@istructe.org

