

Athlone: *October 14, 2009*
Cork: *October 20, 2009*
Dublin: *October 21, 2009*



Eurocode EN 1992

Design of Concrete Structures

Huge Fee
Reduction.
See Booking
Information



THE IRISH CONCRETE SOCIETY

Eurocode EN 1992

Design of Concrete Structures

Course Overview

Eurocode EN 1992-1-1 Design of Concrete Structures sets out general rules for the design of concrete structures and rules for the design of buildings, providing a common approach across the European market. From March 2010 all EU Government contracts will be in Eurocodes.

In response for the need for training on Eurocode 2, the Irish Concrete Society in conjunction with Engineers Ireland have arranged for 1-day training courses to be held in Athlone, Cork and Dublin on the 14th, 20th and 21st of October respectively.

Course Aim

The aim of this course is to introduce, in some detail, the design approach of Eurocode 2.

Who should attend

The course will be highly valuable to anyone designing or co-ordinating design of reinforced concrete structures and of interest to anyone involved in the wider concrete industry.

Trainers' Profiles

Jim Mansfield is a Consulting Engineer in private practice dealing mostly with the design of building structures in a wide variety of materials including concrete. He has been involved in the Eurocode Programme since 1990 as Irish Liaison Engineer acting in respect of EN 1990 Basis of Design and EN 1991 Actions on Structures. Kavanagh Mansfield & Partners in corporation with Lee McCullough were commissioned by the Department of the Environment Heritage and Local Government and the Irish Concrete Federation to carry out a study into the use of EN 1992 in Ireland including the preparation of a draft National Annex. This work has recently been completed under his direction.

Eamonn Cannon is a Senior Lecturer in Design of Structures at NUI, Galway. He has been involved with European design codes since his time as a graduate student in Milan in the 70's. Eamonn worked on various projects in Europe and the Middle East, including construction of the Ninian Central platform and design of the British Channel Tunnel Terminal and the Quincentennial Bridge, Galway, before taking up his present role. He is currently Irish liaison engineer for Eurocode 2.

Dr Roger West is a Senior Lecturer at TrinityHaus in Trinity College Dublin and is a member of the Irish Concrete Durability Committee which has been responsible for advising NSAI on the National Annex to EN206.

Programme

Morning Session

9.15	Registration and Coffee/Tea
10.00	Welcome by Chairman
10.05	Introduction: Basis of Design (Eurocode 0), Review of loading to Eurocode 1, Analysis of load effects – <i>Jim Mansfield</i>
11.00	Coffee/Tea
11.30	Basics of Eurocode 2: Structure of Code including National Annexe, Limit state design difference with existing codes – <i>Eamonn Cannon</i>
12.00	Durability: Approach in EN206, cover to reinforcement – <i>Roger West</i>
12.30	Design for flexure: stress blocks and properties of reinforcement, singly and doubly reinforced beams – <i>Eamonn Cannon</i>
1.00	Lunch

Afternoon Session

2.00	Design for shear, deflections and crack control: – <i>Eamonn Cannon</i>
3.00	Coffee/Tea
3.30	Design of element examples and detailing rules Part A: Flat slabs and one way spanning slabs, rectangular and flanged beams, simply supported and continuous beams and slabs – <i>Eamonn Cannon and Jim Mansfield</i>
4.30	Design of element examples and detailing rules Part B: Columns, uniaxial and biaxial bending, Pad foundations – <i>Eamonn Cannon and Jim Mansfield</i>
5.15	Questions and Answers led by Chairman
5.30	Close

Booking information

*Eurocode EN 1992
Design of Concrete Structures*

Venue 1: Athlone October 14 The Athlone Sheraton Hotel
Venue 2: Cork October 20 The Cork International Airport Hotel
Venue 3: Dublin October 21 Engineers Ireland 22 Clyde Road Ballsbridge Dublin 4
Session Time: Registration 9.15 Presentations 10.00 – 17.30

HUGE FEE REDUCTION

Fee: Engineers Ireland Members: ~~€325~~ €200
Non-members: ~~€425~~ €250

Payment: Payment must accompany registration and may be made by Cheque, Credit/Laser Card or, where appropriate, Purchase Order.

Cancellation: A 50% cancellation fee will be charged for cancellations received in the seven days prior to the course start date. Cancellations received on the day of the course will incur the full course fee. Substitutions are allowed.

Course Contact: Aidan O'Flaherty, CPD Training, Engineers Ireland.
Phone: 01 665 1348 Fax: 01 665 1370
Email: aoflaherty@engineersireland.ie

Please tick appropriate box:

☐ Athlone ☐ Cork ☐ Dublin

Delegate Name: EI Membership No:

Delegate Name: EI Membership No:

Delegate Name: EI Membership No:

Company Name:

Address:

Telephone: Email:

Please indicate method of payment: Credit card booking can be made online at www.engineersireland.ie

☐ I enclose cheque or ☐ purchase order number (if applicable)

or please debit my credit card: Visa ☐ AmEx ☐ Mastercard ☐ with the sum of

Card No: Expiry Date: CCV No:

Cardholder's Signature:

Cardholder's Name:

Cardholder's Billing Address: