

Design of masonry to Eurocode 6

Intended for

All those interested in the design of masonry to the Eurocode. This course will provide an overview of the design procedures in BS EN 1996-1-1 and the required supporting documents. The course includes three tutorial sessions during which design examples will be tackled by the participants.

Introduction

Masonry is one of the key construction materials used in the UK and is used both as a loadbearing material and as a cladding to framed structures. Brick and block masonry remain the primary construction materials for houses in the UK and are used extensively in buildings of all types. Masonry structures have withstood the test of time and proven the inherent durability and structural integrity of masonry. Today's masonry structures make use of modern materials and design methods to provide cost effective structural solutions. The introduction of the European Codes and the supporting CEN standards provides both new opportunities and challenges for designers.

Course Description

This course is aimed at designers requiring more detailed knowledge of masonry design to Eurocode 6.

Topics Covered

Overview of masonry design to Eurocode 6 (BS EN 1996-1-1)

Supporting standards for materials

Vertical load design and tutorial

Concentrated load design and tutorial

Lateral load design and tutorial

Reinforced masonry

Fire design (BS EN 1996-1-2)

Eurocode 6 parts 2 and 3 (BS EN 1996-2 and BS EN 1996-3)

PD 6697: Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2

Lecturer's Profile

Eur Ing Professor John Roberts Hon DSc

BSc(Eng), PhD, CEng, FStructE, FICE, FBMS, FCMI, FRSA, MICT, Hon MIET

John Roberts is the Principal of the Technical Innovation Consultancy and Emeritus Professor of Civil Engineering - Kingston University. He is co-author of the Concrete Masonry Designer's Handbook, the Handbook to BS:5628:Part 2, Efficient Masonry Housebuilding Design Approach, Efficient Masonry Housebuilding Detailing Approach and the Design Guide for Eurocode 6. He has published over 130 papers relating to various aspects of masonry design and construction. Professor Roberts has extensive experience of work on British Standards and Codes of Practice, and currently chairs or is a member of a number of the committees involved in the development of the European Standards. He Chairs the Editorial Board of Masonry International.

Course booking

For further information and details email to courses@eurocode6.org.