



# Reinforced Concrete Design to Eurocodes: Design Theory and Examples, Fourth Edition

By Prab Bhatt, T.J. MacGinley, Ban Seng Choo

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### Editorial Review

#### Review

"The fourth edition of **Reinforced Concrete Design to Eurocodes** is a radical rewrite of a student classic; this edition has been brought up to date by its strong link to the Eurocodes and the design processes within them. The Eurocodes are strongly based on conceptual modes and this book provides an excellent way of understanding the background and derivation, allowing a researcher to be able to see exactly how a new research topic may fit into practice. As a student text, this work is systematic and thorough, and is likely to provide a relevant and useful source of reference during the development of a design-based career. ...Dr Bhatt has done great service in bringing this classic – from its first edition in 1978, now to the fourth revision – completely up to date."

*Magazine of Concrete Research*

"The main strengths of this publication are the illustration of key concepts and approaches with numerous worked examples. ... The contents deal with the fundamental material required for students of structural design. Additionally, more in-depth coverage of structure-specific design is presented which will be of benefit to practicing engineers. ... This book presents the fundamentals of reinforced concrete behavior and design to the Eurocodes in a clear and concise manner. All the key concepts and design procedures are well illustrated with worked examples and as such the content will be invaluable to students of structural design. The in-depth coverage of specific applications such as water retaining structures, make this book a useful reference for practicing engineers. ..."

—Dr Lee Cunningham, Lecturer, University of Manchester School of Mechanical, Aerospace & Civil Engineering, University of Manchester, UK

"I do not know of an equivalent textbook that has the scope of this one. ...The list of topics is very comprehensive. ...This would be a very good book to recommend for a course in the structural design of concrete. ...This book is a one stop shop for the structural design of concrete structures - the book for structural concrete designers to have 'at their elbow' and students to have to when learning about the design of concrete structure. I know of no other book that covers such a range of topics including: water retaining structures, comprehensive treatment of the Strut-tie method with a link to finite element output. Proper background to design of statically indeterminate structures with a proper treatment of joint rotation capacity, comprehensive treatment of: yieldline method, Hillerborg's strip method, design using elastic stress fields, etc and the design of whole structure as opposed to individual elements only. ...The explanations of the theory are clearly expressed and there are lots of good examples. Of special importance are the examples that cover complete systems and components rather than just single topics."

—Iain MacLeod, Emeritus Professor, University of Strathclyde, UK

#### About the Author

Prab Bhatt is Honorary Senior Research Fellow at Glasgow University, UK and author or editor of eight other books, including *Programming the Dynamic Analysis of Structures*, and *Design of Prestressed Concrete Structures*, both published by Taylor & Francis.

Tom MacGinley and Ban Seng Choo were experienced academics in Singapore, Newcastle, Nottingham and Edinburgh.

## **Users Review**

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