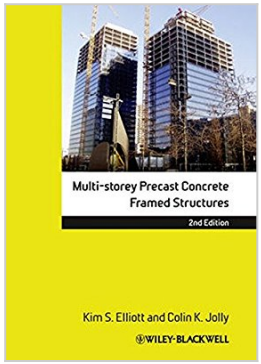

Multi-Storey Precast Concrete Framed Structures

By Kim S. Elliott, Colin Jolly

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Precast reinforced and prestressed concrete frames provide a high strength, stable, durable and robust solution for any multi-storey structure, and are widely regarded as a high quality, economic and architecturally versatile technology for the construction of multi-storey buildings. The resulting buildings satisfy a wide range of commercial and industrial needs. Precast concrete buildings behave in a different way to those where the concrete is cast in-situ, with the components subject to different forces and movements. These factors are explored in detail in the second edition of *Multi-Storey Precast Concrete Framed Structures*, providing a detailed understanding of the procedures involved in precast structural design. This new edition has been fully updated to reflect recent developments, and includes many structural calculations based on EUROCODE standards. These are shown in parallel with similar calculations based on British Standards to ensure the designer is fully aware of the differences required in designing to EUROCODE standards.

Civil and structural engineers as well as final year undergraduate and postgraduate students of civil and structural engineering will all find this book to be thorough overview of this important construction technology.

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- Rank: #2419513 in Books
- Brand: Brand: Wiley-Blackwell
- Published on: 2014-01-28
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x 1.40" w x 7.80" l, .0 pounds
- Binding: Hardcover
- 760 pages

Editorial Review

From the Back Cover

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“This book provides a comprehensive treatment of precast concrete framed structures. … [It] certainly deserves to be read widely.”

The Structural Engineer

“An excellent primer about precast concrete framed construction. Whilst the emphasis is upon design matters there is ample coverage of production and erection procedures. The copious model calculations are particularly useful.”

Structures and Buildings

About the Author

Kim S. Elliott BTech, PhD, CEng, MICE is a self-employed consultant to the precast industry in the UK and Malaysia. He was Senior Lecturer in the School of Civil Engineering at Nottingham University, UK, from 1987 to 2010, and was formerly at Trent Concrete Structures Ltd, one of the UK’s leading precast concrete manufacturers. Since 1987, he has been active in research into the behaviour of precast concrete structures and has published more than 120 papers and 6 text books. He is a member of the FIB UK Group and FIB Commission on Prefabrication.

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