Publications

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4. Publications

Second Century of the Skyscraper

The ninth major publication of the Council, ***Second Century of the Skyscraper,*** has been published in Summer 1988. This well-illustrated 1056-page volume was written by more than 80 contributors from 17 countries.

The origins of the book, are rooted in the Council's Third Conference held in Chicago in January 1986. The gathering commemorated the first 100 years of skyscraper construction, which many say dates back to the 1885 completion of Chicago's 10-story Home Insurance Building.

Major topics of Second Century of the Skyscraper outline not just how buildings grew taller over the years, but also why. Authors address the social impacts of tall buildings in urban settings, architectural considerations unique to tall buildings, the role of skyscrapers in developing countries, technical concerns related to design and construction of tall buildings, case histories, cost control, and designs that minimize the potentially disasterous effects of carthquakes, winds and fire.

This is a volume of great value, providing a sense of the future for those creating high-rises, those who are living and working in them, and those whose lives are otherwise affected by their very presence.

Published in 1988
Price: US$ 82.95
ISBN 0–442–22116–9
Van Nostrand Reinhold Company
7625 Empire Drive
Florence, KY 41042, USA

From Materials Science to Construction Materials Engineering

Volume One: *Pore structure and materials properties*

Volume Two: *Combining materials: design, production and properties*

Volume Three: *Durability of construction materials*

The aim the RILEM International Congress, Versailles 1987, was to promote a fuller knowledge and understanding of the behaviour and properties of construction materials, in order both to optimize the use of existing materials and to target research at developing construction materials for specific applications.

Three volumes were published. They together cover a wide range of construction materials topics of fundamental importance at the interface of materials science and construction materials engineers, consultants and contractors, as well as research scientists.

Published 1987
ISBN 0–412–30140–7
Chapman and Hall
11 New Fetter Lane, London EC4P 4 EE

Connections in Steel Structures

Proceedings of a State-of-the-Art Workshop on Connections and the Behaviour, Strength and Design of Steel Structures held at Cachan, France, May 1987. The book contains the papers presented at eight main sections covering: Local Analysis of Joints; Mathematical Models; Classifications; Frame Analysis; Frame Stability and Simplified Methods; Design Requirements; Data Base Organisation; Research and Development Needs.

Edited by Reidar Bjorhovde, Jacques Brozzetti
André Colson
Published 1988 – ISBN 1–85166–177–8

Composite Steel Structures

Proceedings of the International Conference on Steel and Aluminium Structures, Cardiff, UK, July 1987. The complete proceedings are available as three volumes:
– Steel Structures
– Aluminium Structures
– Composite Steel Structures
Codes of Practice on composite construction are being revised in the UK and in Europe in the light of the substantial amount of knowledge that has been generated in recent years.

Edited by R. Narayanan
Published 1987 – ISBN 1–85166–120–4 –
ISBN 1–85166–121–2 – ISBN 1–85166–122–0

Joint Flexibility in Steel Frames

It is the objective of this volume to provide a state-of-the-art summary of the recent experimental and theoretical studies undertaken to provide a better understanding of the behaviour, analysis and design of seel frames with flexibly-jointed connections. Savings from the rapid incorporation of research results to practising engineers could be significant, if theory and practice are properly considered in the developments.

Edited by W. F. Chen
Published 1987 – ISBN 1–85166–150–6

Space Structures for Sports Buildings

The topics of the Proceedings of the international colloquium held in Beijing, China, October 1987, cover new concept and ideas in design and construction, theoretical and experimental research, important and novel engineering projects, etc. Different areas of space structures are included: general, continuous shells, space trusses, reticulated shells, cable structures and membrane structures.

Edited by Tien T. Lan,Yuan Zhilian
ISBN 7–03–000266–0

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