

Publications

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Publications

Ponts de France

Destiné au grand public comme aux praticiens, cet ouvrage présente une sélection de ponts français remarquables à divers titres. Retenus pour leur intérêt historique, architectural, technique ou économique, ces ponts sont de toutes les époques et de toutes les régions de France. L'ouvrage traite de l'architecture des ponts en maçonnerie, en acier, en béton armé et précontraint, des ponts suspendus et à haubans.

Les textes, rédigés par des ingénieurs, des architectes ou des historiens des techniques, s'appuient sur de nombreuses illustrations tirées d'archives ou de collections de photographies d'entreprises, et présentent, dans un langage accessible à tous, l'évolution du mode de conception et de réalisation des ponts.

Publié en 1982, 294 pages

Prix : 190 FF

ISBN 2 85978 030 0

Collection "Tradition technique"

Presses de l'Ecole Nationale des

Ponts et Chaussées

28, rue des Saints-Pères

F-75007 Paris

ECCS — European Recommendations for Steel Construction "Buckling of Shells"

These Recommendations are one of the most up-to-date documents in the field and deal with the buckling analysis of unstiffened circular cylinders subject to meridional compression or to uniform external pressure; ring stiffened cylinders subject to external pressure, cylinders under combined axial load and external pressure, unstiffened spherical shells under uniform pressure.

These ECCS Recommendations have been prepared by an international group with members from Europe, Japan and the United States.

The publication (297 x 210 mm, 54 pp) can be obtained from the ECCS General Secretariat at the price of 35 Dfl.

European Recommendations for the Fire Safety of Steel Structures

During the last decade there has been important progress in the development of analytical methods for the calculation of the behaviour of fire-exposed steelwork. In several countries these methods are now being used when appropriate, as an alternative to the conventional classification directly based on the results of standard fire resistance tests.

This book contains the European Recommendations — composed within the European Convention for Constructional Steelwork by Technical Committee 3 — for the calculation of the fire resistance of load bearing steel elements and structural assemblies exposed to the standard fire, providing an alternative to the standard fire resistance test. This corresponds to the majority of national building regulations or codes, in which the requirements are expressed as required time of fire duration, i.e. the fire resistance time, directly related to the standard fire.

The Recommendations provide a reference document for national codes of practice with the final objective of achieving a single European code.

Published in 1982, 106 pages

Price: Dfl. 165.00

ISBN 0-444-42120-3

European Convention for Constructional Steelwork
ECCS

General Secretariat

Av. Louise 326-B.52

B-1050 Brussels

Belgium

**CEB Manual on
Concrete Reinforcement Technology**

The reinforcement of structural concrete plays an essential role in determining the quality and the cost of concrete constructions.

The various cutting, shaping, splicing and placing operations in reinforcement work involve a considerable proportion of labour costs, which could be reduced by better design of the reinforcement, by greater mechanization, by efficient organization of the production workshop, of the means of transport and of the site work, and by an improvement in the handling and transfer of information at the design office, the workshop and the site, notably by the use of computers.

The CEB, a scientific and technical organization, wishes to make available design and technology manuals which supplement or clarify the Recommendations of 1970 and the CEB-FIP Model Code of 1978 for use by those active in this field, such as project or site engineers.

This Manual is concerned with the technology of reinforcement work :

297 x 210 mm, 90 pp. Appendix. Hardcover
ISBN 2 604 00059 8

Price: SFr. 70.—

Georgi Publishing Company
CH-1813 St-Saphorin

**Structural Steel Fundamentals —
an Engineering and Metallurgical Primer**

by M. G. Lay

The theme of the book is to provide an understanding of steel behaviour which will be adequate for both the capabilities and the needs of most engineers designing in steel. The book is both simple in its treatment of topics outside of steel design (and may well be viewed somewhat scornfully by metallurgists) and yet complex in the range of outside knowledge which it draws upon. It attempts to bridge the gap between ferrous metallurgy and engineering design in steel. The author makes no apologies to either regions of endeavour for the simplifications he has made. Indeed, the book is written for both engineers and metallurgists.

The chapters are : basic concepts/mechanical properties/fracture and fatigue/metallurgical background/welding/structural sub-elements/steel in fire/structural members/buckling in real systems/design codes.

250 x 175 mm, 241 pp. Paperbound

Price: Australian \$ 20

Australian Road Research Board
P.O. Box 156 (Bag 4)
Nunawading 3131, Vic, Australia

Stability of Metal Structures: a World View

As a major result of the 2nd International Colloquium on Stability, organised by the Structural Stability Research Council, during the years 1976-77, this book serves the purpose of summarizing the current state of the art in the field of stability of metal structural members and frames :

Compression Members/Built-up Members/Beams/
Plate and Box Girders/Beam-Columns/Frames/
Triangulated Structures/Shells/Composite Members/
Cold-Formed Members/New Development in Other
Subject Areas

World View may be purchased for US \$ 12.00 from :

American Institute of Steel Construction
P.O. Box 4588
Chicago, IL, 60680/USA