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5. Publications

Demountable Concrete Structures: a Challenge for Precast Concrete

by H.W. Reinhardt, J.J.B.J.J. Bouvy

An international Symposium was held in Rotterdam, the Netherlands, in May 1985. The Proceedings present thirty contributions to the four sessions:

- Object and Possibilities of Demountable Structures
- Design and Detailing of Demountable Concrete Structures
- Design and Behaviour of Demountable Connections
- Application of Demountable Concrete Structures

Published in 1985

Price: approx Hfl. 80.—

348 pages

ISBN 90 6275 182 2

Delft University Press

Mijnbouwplein 11

NL-2628 RT Delft, the Netherlands

Building Bridges

by Hans Wittfoht

Extract of Foreword by F. Leonhardt

At last a book on bridges not only for the specialist, but for a large readership. Here, the reader gets an insight into the workshop of the bridge builders and an idea of the innumerable difficulties this most beautiful of all civil engineering arts had to fight in former and new times in order that the multiform obstacles to traffic may be overcome. This book surely meets a need because the Bridge Art always awakes interest in many people and large bridges always are considered with admiration as the real achievements of engineering and creative force. How can we, builders of bridges, calculate and design those daring structure systems to safely support the loads of railway-trains or heavy road vehicles and withstand the often unpredictable forces of Wind and Water? Of course engineering knowledge is not easily explained to nor understood by a layman, neither does this book go into calculation methods, yet it shows how knowledge and many other considerations are necessary for the secure and low-cost construction of large bridges. The Author, Hans Wittfoht, is himself a bridge builder and, what is more, one of the most successful contractor engineers in the field in this generation. For numerous years he has been responsible for the construction of many prestressed concrete bridges, he distinguished himself again and again with good designs of large span bridges and developed new and particularly efficient construction methods. He loves his profession and is passionately at it. It is this passion for the Bridge Art, which led him to take up the study of bridge history. In his book Wittfoht has been able to give a comprehensive survey as to time and techniques of the Bridge Art.

Published in 1984

326 pages

ISBN 3 7640 0176 3

Beton-Verlag GmbH, Düsseldorf, Fed. Rep. of Germany

L'organisation des grands chantiers

La réalisation des grands ouvrages de bâtiment et de génie civil, aménagements hydroélectriques, villes nouvelles, aéroports, voies de communication, etc., met en jeu un extraordinaire concours de savoir-faire, de méthodes et de techniques, dont la maîtrise détermine le succès d'une opération tant du point de vue de la qualité que de ceux des délais et des coûts.

La publication de cet ouvrage résulte de l'expérience et de la collaboration du Ministère de l'Urbanisme et du Logement, de l'EDF, d'Hydro-Québec, d'Elf-Aquitaine, de la Compagnie Française des Pétroles, de la firme Wagner-Hohns-Ingllis (Washington) et de plusieurs des principales entreprises françaises de travaux publics.

Publié en 1985

Prix: 120 FF

144 pages

format 16 × 24 cm

Conseil international de la langue française

103, rue de Lille

F-75007 Paris, France

Shell Structures – Stability and Strength

by R. Narayanan

This book is the fifth in the series on stability and strength of structures and concentrates on problems associated with shells. The first chapter is intended to provide a general introduction to the problem of shell stability. Each of the subsequent eight chapters deals with a selected facet of the subject and discusses in some depth the techniques developed to solve the associated problem. Sufficient introductory material has been included to enable an engineer with a fundamental knowledge of structural mechanics to be able to follow the various specialist applications found in stiffened shells, pressure vessels, tubular structures, cold-formed shells, submarine pipelines, torispherical shells, etc. A new concept in shell construction, viz. tensegric shells, consisting of a cable net and a prestressed bar, is discussed in the final chapter.

Published in 1985

Price: 46.— £

345 pages, 15 tables, 178 illustrations

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