

Civil Engineering Books

from CRC Press

Construction Delays

Extensions of Time and Prolongation Claims

Roger Gibson

April 2008: 234x156: 320pp

Hb: 978-0-415-34586-6

This practical, user-friendly guide for construction professionals and lawyers deals with Extensions of Time, and includes examples for detailed submissions, helpful charts, graphics and electronic templates.

Second Edition

Concrete Construction Engineering Handbook

Edited by **Edward G. Nawy**, Rutgers University, USA

June 2008: 1664pp

Hb: 978-0-8493-7492-0

The Concrete Construction Engineering Handbook, Second Edition provides in depth coverage of concrete construction engineering and technology. It features state-of-the-art discussions on what design engineers and constructors need to know about concrete, focusing on -

- o The latest advances in engineered concrete materials
- o Reinforced concrete construction
- o Specialized construction techniques
- o Design recommendations for high performance

With the newly revised edition of this essential handbook, designers, constructors, educators, and field personnel will learn how to produce the best and most durably engineered constructed facilities.

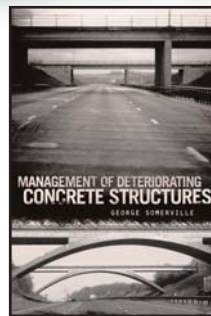
Creep Resistant Steels

Edited by **F. Abe**, National Institute for Material Science (NIMS), Japan

April 2008: 704pp

Hb: 978-1-4200-7088-0

Creep-resistant steels must be reliable over very long periods of time at high temperatures and in severe environments. Understanding and improving long-term creep strength is essential for safe operation of plant and equipment. This book provides an authoritative summary of key research in this important area. The first part of the book describes the specifications and manufacture of creep-resistant steels. Part two covers the behaviour of creep-resistant steels and methods for strengthening them. The final group of chapters analyses applications in such areas as turbines and nuclear reactors. Creep-resistant steels will be a valuable reference for the power generation, petrochemical and other industries which use high strength steels at elevated temperatures.



Management of Deteriorating Concrete Structures

George Somerville

February 2008: 234x156: 344pp

Hb: 978-0-415-43545-1

This authoritative new book draws together deterioration and repair/remediation with practical asset management, giving solid practical guidance on assessment and outlining when and how to act.

Techniques for Corrosion Monitoring

Edited by **L. Yang**, Southwest Research Institute (SwRI), USA

March 2008: 500pp

Hb: 978-1-4200-7089-7

Corrosion monitoring technologies are a vital step in efforts to combat corrosion, which can have major economic and safety implications. This important book provides a comprehensive analysis of the range of techniques for corrosion monitoring, including practical applications and case studies. It reviews electrochemical techniques for corrosion monitoring, such as polarization techniques, potentiometric methods, harmonic analysis, galvanic sensors and multielectrode systems. Case studies discuss the ways that corrosion monitoring can be applied to engine exhaust systems, cooling water systems, pipelines and equipment in chemical plants.

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