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cost and sustainability analysis for structures.

and dimensioning aspects. With worldwide

This book gives a comprehensive overview from

material properties and manufacturing to design

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Jürgen Grünberg, Joachim Göhlmann **Concrete Structures for Wind Turbines** 2013 · 242 pages € 49,90* ISBN 978-3-433-03041-7



Konrad Zilch, Roland Niedermeier, Wolfgang Finckh Strengthening of Concrete Structures with Adhesively Bonded Reinforcement Design and Dimensioning of CFRP Laminates and Steel Plates 2014 · 158 pages € 49,90* ISBN 978-3-433-03086-8

This book gives a comprehensive overview for planning and structural design analysis of reinforced concrete and pre-stressed concrete wind turbine towers, and hybrid structures as well. Focus is on the profoundly dynamical actions on both, onshore and offshore wind turbines. The design and use of externally bonded CFRP strips, CF sheets and steel plates according to the German DAfStb guideline, which supplements the Eurocode. With design examples covering fatigue, creep, serviceability and ultimate limit state analysis for slabs, beams and columns.



Rüdiger Meiswinkel, Julian Meyer, Jürgen Schnell **Design and Construction** of Nuclear Power Plants 2013 · 150 pages € 49,90* ISBN 978-3-433-03042-4 BetonKalender Design of Fastenings for Use in Concrete – the CEN/TS 1992-4 Provisions

Rainer Mallée, Werner Fuchs, Rolf Eligehausen **Design of Fastenings** for Use in Concrete – the CEN/TS 1992-4 Provisions 2013 · 170 pages € 49,90* ISBN 978-3-433-03044-8

Building structures required for nuclear plants have to meet particular construction requirements. This book gives a comprehensive overview from approval aspects given by nuclear and construction law to safety concept and design, accidental actions and building execution. The European pre-standard CEN/TS 1992-4 for the design of fastenings by means of headed studs, anchor channels, mechanical and chemical anchors is ready for use. Load actions and load capacity design, durability, fire resistances and earthquake action are described in detail.

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