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Dr.-Ing. Frank Fingerloos has been with the German Society for Concrete and Construction Technology (DBV) since 2000 with responsibility for construction technology. Since 2008, he has also a lectureship for special topics in massive construction at the Technical University of Kaiserslautern. He is also active in the DIN standards committee (NABau) for DIN 1045 and Eurocode 2.



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The wind energy industry in Germany has an excellent global standing when it comes to the development and construction of wind turbines. Germany currently represents the world's largest market for wind energy. The ongoing development of ever more powerful wind turbines plus additional requirements for the design and construction of their offshore foundation structures exceeds the actual experiences gained so far in the various disciplines concerned.

Rüdiger Meiswinkel, Julian Meyer, Jürgen Schnell **Design and Construction of Nuclear Power Plants** Series: Beton-Kalender Series Series editors: K. Bergmeister, F. Fingerloos, J.-D. Wörner

Despite all the efforts being put into expanding renewable energy sources, large-scale power stations will be essential as part of a reliable energy supply strategy for a longer period. Given that they are low on CO_2 emissions, many countries are moving into or expanding nuclear energy to cover their baseload supply. Building structures required for nuclear plants whose protective function means they are classified as safety-related, have to meet particular construction requirements more stringent than those involved in conventional construction.

This book gives a comprehensive overview from approval aspects given by nuclear and construction law, with special attention to the interface between plant and construction engineering, to a building structure classification.



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approx. 130 pages, 81 fig., 4 tab., Softcover. approx. € 49,90

ISBN: 978-3-433-03044-8 Publication date: approx. April 2013 Bernd Hillemeier, Claus Flohrer, Jürgen Krell, Gabriele Marquardt, Jeanette Orlowsky, Michael Raupach, Karsten Schubert, Stephanie Schuler **Reconditioning and Maintenance of Concrete Structures**

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The rehabilitation and maintenance of concrete structures takes place in the tense atmosphere of the different interests of client, building authorities, construction companies and material manufacturer. All involved parties should be interested in a general logical guaranteed concept of repair and maintenance measures necessary for a specified lifetime.

Rainer Mallée, Werner Fuchs, Rolf Eligehausen **Design of Fastenings for Use in Concrete – the CEN/TS 1992-4 Provisions Series: Beton-Kalender Series** Series editors: K. Bergmeister, F. Fingerloos, J.-D. Wörner

The European pre-standard CEN/TS 1992-4 for the design of fastening by means of headed studs, anchor channels as well as post-installed mechanical and chemical anchors is ready for use. The background and interpretation of the provisions related to the determination of actions and resistance based on limit state design, durability, fire resistance, fatigue and earthquake actions as required by CEN/TS 1992 are described in detail.