



2007-11-09/SN

**IABSE / AIPC / IVBH**

ETH Hönggerberg  
CH-8093 Zürich,  
Switzerland

Phone: +41-44-633 2647

Fax: +41-44-633 1241

secretariat@iabse.org

[www.iabse.org](http://www.iabse.org)

## **PRESS RELEASE**

Contact: Sissel Niggeler

Phone: +41-44-633 3150

Email: [niggeler@iabse.org](mailto:niggeler@iabse.org)

### **NEW IABSE Publication - Structural Engineering Documents (SED) 9 'Cable Vibrations in Cable-Stayed Bridges'**

This book provides a comprehensive survey on the governing phenomena of cable vibration, both associated with direct action of wind and rain: buffeting, vortex-shedding, wake effects, rain-wind vibration; and resulting from the indirect excitation through anchorage oscillation: external and parametric excitation. Methodologies for assessment of the effects of those phenomena are presented and illustrated by practical examples. Control of cable vibrations is then discussed and state-of-art results on the design of passive control devices are presented. The book is complemented with a series of case reports reflecting the practical approach shared by experienced designers and consultants: Yves Bournand (VSL International), Chris Geurts (TNO), Carl Hansvold (Johs. Holt), Allan Larsen (Cowi) and Randall Poston (WDP & Associates). Readership: Practicing structural engineers, teachers, researchers and students at a university level, as well as representatives of owners and builders.

#### **Cable Vibrations in Cable-Stayed Bridges**

Elsa de Sa Caetano

188 pages, in English

ISBN 978-3-85748-115-4

Format: 170 x 240 mm

Published October 2007

Price: IABSE Members: CHF 40.-

Non-Members: CHF 70.-

Mailing costs included

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For more information, contact Sissel Niggeler, Marketing and Communications Manager at above address or [niggeler@iabse.org](mailto:niggeler@iabse.org) ###.