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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

PRESS RELEASE

Contact: Sissel Niggeler

Phone: +41-44-633 3150

Email: niggeler@iabse.org

The 2006 Outstanding Paper Award to Messrs Fabio Biondini, Italy, Dan M. Frangopol, USA and P. Giorgio Malerba, Italy

Prof. Manfred A. Hirt, President of the IABSE, presented the 2006 Outstanding Paper Award at the Opening Session of the IABSE Symposium 'Improving Infrastructure Worldwide – Bringing People Closer' on September 19, 2007 to Messrs Fabio Biondini, Dan M. Frangopol and P. Giorgio Malerba for their Paper:

'Time-Variant Structural Performance of the Certosa Cable-Stayed Bridge'

published in *Structural Engineering International*, August 2006.

The IABSE Outstanding Paper Award is presented each year in recognition of an outstanding paper published in the IABSE Journal *Structural Engineering International*, encouraging and rewarding contributions of the highest quality. This time, the Outstanding Paper Award Committee was chaired by Professor James Garrett, USA.

The article is concerned with the cable-stayed bridge in Certosa built in Milan, Italy. Since the pylons showed signs of damage, a rehabilitation was carried out after fifteen years of service life. In order to investigate the effectiveness of the rehabilitation, a procedure to analyse both, the local attack of diffusives and the global effects on the overall performance was applied. Both the deterministic and probabilistic time-variant structural performances were analysed with respect to proper indicators considering two separate cases: without and with rehabilitation. The direct comparison of these results clearly demonstrates that the adopted intervention enhances the structural performance over time.

The International Association for Bridge and Structural Engineering (IABSE) comprises 4'000 members in 100 countries. Founded in 1929, IABSE deals with all aspects of planning, design, construction, maintenance and repair of civil engineering structures. To fulfil its mission, IABSE organises conferences and publishes a quarterly journal, Structural Engineering International, as well as books and reports. The Association has a number of technical groups and presents awards in recognition of outstanding contributions in the domain of structural engineering.

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For more information, contact Sissel Niggeler, Marketing and Communications Manager at above address or niggeler@iabse.org

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