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## **PRESS RELEASE**

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### **IABSE Awards 2007**

The 2007 IABSE Awards have been selected. Prof. Manfred A Hirt, President of IABSE, will present the laudatio at the Opening Session of the IABSE Symposium 'Responding to Tomorrow's Challenges in Structural Engineering' on September 19, 2007, in Weimar.

#### **Honorary Membership**

Long-standing members Mr Sudhansu S.Chakraborty, India and Mr Loring A. Wyllie, Jr, USA, will be presented with Honorary Membership of IABSE. This Award recognises their outstanding and devoted services to the Association. Both Members have served as Vice-Presidents of IABSE and been engaged in many IABSE Committees. They have been key persons in the organisation of important IABSE Conferences.

#### **International Award of Merit in Structural Engineering**

Professor Manabu Ito, Japan has been elected for the International Award of Merit in Structural Engineering, recognising outstanding contributions in the field of structural engineering, with special reference to usefulness for society. His research has covered a wide range of bridge and structural engineering. In particular, he has made a great contribution to the design of cable-supported bridges and wind effects on flexible structures. He has published more than one hundred peer-reviewed papers and six books and has been a leading advisor in many major cable-supported bridge projects. Professor Ito served as President of IABSE from 2001-2004.

#### **IABSE Prize**

Dr Risto Kiviluoma, Finland, will be presented the 2007 IABSE Prize, in recognition of his leading role in wind and bridge engineering; his significant contribution to engineering science and his involvement in major bridge and tall building projects around the world. The IABSE Prize honours a member early in his or her career for an outstanding achievement in structural engineering. The Award is conferred on an individual member, forty years of age or younger.

#### **Outstanding Paper Award**

The Outstanding Paper Award will be presented to the article 'Time-Variant Structural Performance of the Certosa Cable-Stayed Bridge', by Fabio Biondini, Dan M. Frangopol and Pier Giorgio Malerba, – published in *Structural Engineering International (SEI)*, August 2006,



pp. 235-244. This Award is presented to one article per year published in *SEI*, encouraging and rewarding journal contributions of the highest quality.

### **Outstanding Structure Award**

The 'New Roof of the Commerzbank-Arena', Frankfurt/Main, Germany will be presented the 2007 IABSE Outstanding Structure Award for being "A new, elegant lightweight roof over a rectangular stadium with cable trusses, tension and compression rings, a fixed glass fibre membrane and a retractable central polyester membrane which magically retracts to the video cube for storage."

The permanent roof structure consists of an outer compression ring and 2 splayed inner tension rings connected by 44 radial cables. It concentrates the deviation forces at the corners, thus adapting to the grandstand. The stationary roof is covered by a translucent membrane with the addition of a transparent polycarbonate skin in the front to guarantee a sufficient influx of daylight for the lawn. The convertible inner roof unfolds from the centre along the radial cables. It is stored in the video-cube suspended from the cable structure above the center of the playing field.

The Outstanding Structure Award recognises the most remarkable, innovative, creative, or otherwise stimulating structures completed within the last few years. It consists of a Diploma each for the Engineer, the Architect, the Contractor, and the Owner, as well as a plaque to be fixed to the winning structure.

*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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