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Press Release

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Two Prizes Awarded to Young Engineers' Contributions in Antwerp

The IABSE Symposium 'Structures for High-Speed Railway Transportation' took place in Antwerp, Belgium, August 27-29, 2003. This specialised theme attracted 450 participants amongst which 48 participated in the young engineers programme, taking place for the second time after the 2002 IABSE Symposium in Melbourne.

The Symposium programme opened a competition to young engineers. A Jury chaired by Mr A.F. Steffen, Switzerland, selected the two best contributions presented by young engineers at the Symposium. The Jury presented two prizes of 3'500 Swiss Francs each - sponsored by "OC Lucerne 2000 / Swiss Group of IABSE" and "East Japan Railway Company", to Hans Peter Guenther and Annette Boegle both from the University of Stuttgart. These contributions are included in the Symposium Report.

- *Hans Peter Guenther: Fatigue Behaviour of Steel Plated Bridge Girders*

The presentation deals with the fatigue behaviour of steel plated girders in steel and composite railway bridges. Based on experimental and theoretical investigations, new design criteria are derived that allow the utilisation of the post-buckling plate behaviour even for structures subjected to repeated loading.

- *Annette Boegle: Evaluation in Conceptual Design - a pedestrian/cyclist bridge in Stuttgart*

The evaluation process is not only influenced by technological and economic requirements, but also by functional and aesthetic points of view. How to reach transparent decisions is being demonstrated in the case of a competition for the design of a pedestrian- and cyclist-bridge in Stuttgart. The procedure applied was developed by an interdisciplinary research group. The evaluation is based on answers to a questionnaire generating direct confrontation with the task and the search for appropriate solutions, the ultimate goal of a competition.

The International Association for Bridge and Structural Engineering (IABSE) comprises more than 4'200 members in 100 countries. Founded in 1929, IABSE deals with all aspects of planning, design, execution, 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.

(To the press: picture available on request)

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