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PRESS RELEASE

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Call for Papers: Codes in Structural Engineering - Developments and Needs for International Practice

Joint IABSE-*fib* Conference, Dubrovnik, Croatia, May 3-5, 2010

The main objective of this IABSE-*fib* Conference 2010 is to obtain an overview of the present state of codes worldwide, including the underlying legal and economical aspects. Based on feedback from practical applications and using the results of theoretical and experimental research, conclusions should be drawn for the development of future codes, striving for international harmonisation in the ever more globalised market. In addition to traditional topics related to safety and serviceability, new and special topics have emerged concerning for example robustness, assessment of existing structures, sustainability, aesthetics or the extensive use of information technology in the design process.

Themes and Topics:

1. Objectives and Comparison of Codes: • Objectives: public procurement, international market, cost effectiveness, sustainability, energy efficiency, safety, comfort • Comparison between major structural codes in the world, benchmarking.

2. Format of Codes: Format: user friendly, liberal or prescriptive, commentary; Basis of design: deterministic, probabilistic, performance-based • Actions: permanent, time dependant, live loads, accidental • Materials based or structures orientated.

3. Lessons from Application in Practice: Buildings, bridges, sign structures, silos, tanks; Disaster reduction: earthquake, tsunami, avalanche.

4. Additions to Future Codes: Robustness, sustainability, aesthetics • Structural glass, composites • Existing structures: assessment, evaluation, maintenance rehabilitation, strengthening, upgrading; remaining service life, inspection and inspection intervals • Life cycle costing, quality management, maintenance.

5. Speciality Topics: Action dependant structural resistance: fire, earthquake, stability, fatigue, impact, explosion • Safety concepts adapted to FE analysis: interaction formulas, nonlinear analysis; - High performance materials • Bridge equipment: bearings and expansion joints.

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6. Codes and Teaching: Scientific and technical background of codes, experimental results, commentary, textbooks, certification.

Authors are invited to submit an abstract in English (300 words) online in accordance with the themes and topics by **February 28, 2009**. The Preliminary Invitation is available on the IABSE website: www.iabse.org/Dubrovnik2010

Conference Secretariat

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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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