

The First International Conference by the seven International Civil Engineering Organisations who are Members of the Liaison Committee 

Composite Construction

Conventional and Innovative

16 - 18 September 1997 Innsbruck, Austria

This is a kind of 'composite conference' by:

- IABSE International Association for Bridge and Structural Engineering
- CEB Comité Euro-International du Béton
- CIB Conseil International du Bâtiment pour l'Etude et la Documentation
- ECCS European Convention for Constructional Steelwork
- FIP Fédération Internationale de la Précontrainte
- RILEM Réunion Internationale des Laboratoires d'Essais et de Recherches sur les Matériaux et les Constructions
- ASCCS Association for International Cooperation and Research in Steel-Concrete Composite Structures

For the macro-world of structures, as for the micro-world of biomechanics and other nano-technologies, the future lies in the composite use of materials. Combining different structural materials enables designers to exploit the favourable properties of each.

The Conference will demonstrate, to professionals and to the broad public, how innovative engineers can combine such different materials as steel, concrete, wood, glass and advanced materials to create technically and economically successful structures.

Bridges, infrastructure works and buildings serve as examples to communicate the new knowledge being acquired in the fields of design, safety and materials. Exhibitions featuring large projects and applications of new materials, plus a variety of technical visits, further complement the Conference. The two-day technical programme, in four plenary sessions, explores the challenges met in the design of composite buildings and bridges and their construction. Innovations in the strengthening of existing structures will also be presented. The concurrent working sessions will offer detailed presentations on issues such as safety and serviceability, connections and joints, fire and earthquake resistance, fabrication and erection, maintenance and advanced composites.

The Conference Report, with all accepted papers and posters, will be distributed to the participants at the beginning of the Conference, and will be available for purchase thereafter.

Who Should Attend

The Conference will provide an excellent opportunity for structural engineers to benefit from the vast experience in Composite Construction collected by colleagues from around the world. The Conference addresses the interests of structural engineers involved in research, analysis, code development, design, fabrication, and erection, maintenance and strengthening of engineering structures made from concrete, steel, timber, masonry or any combination of these and other materials, including advanced composites.

Language

The official language at the International Conference will be English. Oral presentations and discussions will be made in English only. Simultaneous translation will be available from English into French and into German for all presentations at sessions in the Main Hall.

Format

The Scientific Programme is arranged as four half-day programmes, each consisting of a Plenary Session

followed by three concurrent Working Sessions. During the entire Conference, Poster Sessions will be ongoing.

Technical Programme

Plenary Session:

The Challenge of Composite Construction

Concurrent Working Sessions:

- Analysis and Dimensioning
- Safety and Serviceability
- Connection between Materials

Plenary Session

- Composite Buildings

Concurrent Working Sessions:

- Joints between Structural Members
- Fire Resistance
- Structural Design

Wednesday, 17 September - 14.30-18.30 hours

Plenary Session:

Composite Structures

Concurrent Working Sessions:

- Fabrication and Erection
- Earthquake Resistance
- Codes and Standards

Plenary Session

Strengthening of Existing Structures

Concurrent Working Sessions:

- Diagnosis, Maintenance, Retrofitting, Repair
- Behaviour Modelling
- Advanced Composites
- Technical Visits

Technical Visits before and after the Conference are proposed. Accompanying persons may also join the Technical Visits, as visits combine construction sites with cultural/historical sites.

(Fee scheme omitted, due to missing original information)

The Registration Fee for Participants to the International Conference includes:

- - Technical Programme and ECCS Award Session
- - Conference Report and documents
- - Admission to the Exhibition and Display of Large Projects
- - Reception on 16 September
- - Lunch and Dinner on 17 September
- - Coffee breaks

The registration fee for Accompanying Persons includes:

- - Reception on 16 September
- - ECCS Award Session
- - Dinner on 17 September

Contact Address

Conference Secretariat:
Composite Construction
c/o IABSE
ETH Hönggerberg
CH-8093 Zürich
Switzerland
Tel: +41.1.633 2647
Fax: +41.1.371 2131
E-mail: secretariat@iabse.ethz.ch
WWW: <http://www.iabse.ethz.ch>