



NEWSLETTER

N°3/03 July - September 2003

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EDITORIAL



**By Bertrand Lemoine,
Chairman of the ECCS
PMB**

Market development in Europe is essential for the future of constructional steelwork to consolidate and develop its positions in the building economy. As statistical reports from ECCS and market survey undertaken by Members or Steelmakers show, there is a strong potential growth in many segments, including some where steel has already had a consistent position in many countries, such as industrial buildings. The identification of market opportunities is therefore essential and the role of ECCS as a major European platform of mutualisation and initiatives is to give support to and initiate actions focused at the development of steel market shares.

Efforts have already been targeted at architects, who are in Europe in a key position to prescribe the use of steel structures. Actions have thus been undertaken through the publication of detailed case studies on significant steel buildings. Thanks to the support of ESSPG and to the efforts of AC9 group, it has been possible to raise the pace of publications to four issues a year while keeping the quality required, which will strongly enhance their impact. Other valuable initiatives have been taken to carry forward the message to our customers, through Steel Design Awards, actualisation of Merits of Steel brochure or web site development. Specific actions on bridges have also been developed with success.

To face the need for a better coordination in our efforts and synergies to support the market development, a new organisation of the promotion actions of ECCS has been set up. Five "Market committees" (MCs), either new or replacing ACs, have been set up following the market segmentation : Multi-storey buildings, including residential (MC1), single-storey buildings



(MC4), bridges (MC3). A "Marketing committee" (MC5), merging former AC7 (Press relations) and AC9 (Architectural aspects of steel construction), is now in charge of general and transversal actions. The growing concern for sustainability among the European population has motivated the implementation of a specific committee (MC2), to value the high environmental qualities of structural steel.

The focus of the PMB will be to define a mid-term policy in terms of market development actions and how to raise funds to allow the fulfilment of the projects which will be undertaken. In this regard, commitment of Members and Steel producers will be crucial.
Bertrand Lemoine

New Publications

ECCS Publications



**N° 91-14:
Case Study – The Eden
Project**

Price: € 5,-

The Eden project in Cornwall, UK, is the largest plant enclosure in the world, recreating tropical and warm temperate habitats. The

primary design objective was to create the correct environment for growth using minimum water and energy. The key issues were also orientation, natural lighting and heating, and maximum recycling of water

The space frame form of the domes minimised the size and number of structural elements, which are made of steel tubes bolted together by steel nodes. The required high transparency of the envelope was achieved using ETFE (Ethylene Tetra Fluoro Ethylene) foil, a thin, lightweight material and therefore capable of covering wide spans supported by the most minimal of structures.

Le projet Eden en Cornouailles (Royaume-Uni) est le plus grand jardin botanique du monde; il recrée deux écosystèmes différents, l'un tropical humide et l'autre tempéré. Le premier objectif

était de créer un environnement convenant à la croissance des plantes en utilisant un minimum d'eau et d'énergie. Les points essentiels ont donc été l'orientation des bâtiments, leurs éclairage et chauffage naturels et le recyclage de l'eau.

La forme en coupoles a permis de réduire la taille et le nombre des structures porteuses; celles-ci sont composées de tubes d'acier assemblés par des nœuds également en acier. On a obtenu le degré de transparence requis pour l'enveloppe en employant des feuilles en ETFE (ethyltétrafluoroéthylène), un matériau fin et léger, capable de couvrir de grandes surfaces tout en étant d'un coût réduit.

Das Eden-Projekt in Cornwall ist das größte Gewächshaus der Welt mit tropischen und warmtemperierten Zonen. Das vordringlichste Entwurfsziel war, eine perfekte Umgebung für das Wachstum bei Minimalverbräuchen von Wasser und Energie zu schaffen. Wesentliche Kriterien waren ebenso Ausrichtung, natürliche Belichtung und Beheizung, sowie größtmögliches Recycling von Wasser.

Das Raumtragwerk der Biomes reduziert Größe und Zahl der Strukturelemente aus Stahlrohren, die mittels stählernen Knotenelementen verbunden sind. Die geforderte hohe Transparenz der Außenhaut wurde durch die Verwendung einer ETFE (Ethylen Tetra Fluor Ethylen)-Folie, eines dünnen und leichten Materials, erreicht. So konnten große Spannweiten bei sparsamster Tragwerksdimensionierung überdeckt werden.



External Publications

1- EUROPEAN COMMISSION



EUR 20375 EN: Steel structures

Development of dry composite construction systems based on steel in residential applications

ISBN 92-894-3946-7

Price: EUR 48-

Office for Official Publications of the European Communities,
L-2985 Luxembourg

This is the final report of the project "Development of dry composite construction systems based on steel in residential applications". The project addresses the composite action between light steel members and other dry materials such as boards and gypsum products. The research covers:

- * studies of the composite action of light steel frames with floor boarding regarding stiffness, vibration reduction, sound properties and fire behaviour;
- * studies of various forms of construction based on studs with whole or slotted webs, mineral wool and boards for external and internal walls regarding normal and transversal strength, sound properties, thermal and hygrothermal behaviour and fire resistance;
- * studies of a new type of prefabricated composite steel and gypsum board for internal or external walls based on steel cassettes with attached boarding and mineral wool;
- * studies of resistance to horizontal loading of light walls including the effect of double layers of boards and the effect of ties to brick walls;
- * the development of timber-steel composites for roofing;

- * the development of a cassette roofing system;
- * a review and comparison of requirements and standards in the participating countries.

2- MISCELLANEOUS



Auteurs : Helmut C. Schultiz, Werner Sobek, Karl J. Habermann

Originalité

- Traduction française du StahlbauAtlas publié par les Editions Detail.
- Concentre en un seul manuel toutes les informations relatives aux propriétés du matériau acier et ses possibilités d'utilisation dans le domaine de la construction.
- Richement illustré par de nombreux exemples internationaux de construction et de très nombreuses photographies.

Public

Architectes et ingénieurs civils, enseignants et étudiants, bureaux d'études, entrepreneurs et professionnels du bâtiment.

2003, 416 pages, 23 x 30 cm, broché, plus de 3000 dessins et photos, ISBN 2-88074-530-6

Table des matières

Partie 1 – Histoire de la construction en acier, Karl J. Habermann

Partie 2 – Le matériau acier, Werner Sobek avec Stefan Schäfer

Partie 3 – Principes constructifs de base, Werner Sobek avec Stefan Schäfer

Partie 4 – Façonnage et assemblage de produits semi-finis en éléments structuraux

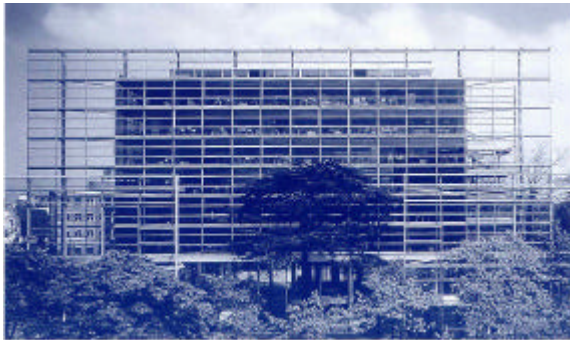
Partie 5 – Le développement de structures porteuses par assemblage d'éléments structuraux, Werner Sobek avec Stefan Schäfer

Parties 6 – Exemples de construction dans les détails (54 exemples), Helmut C. Schlitz avec Martin Siffling.



Annexes :

- Références
- Prescriptions et normes pour la construction en acier
- Index thématique
- Index des noms propres



Bâtiment d'exposition et de gestion à Paris, France, 1993

Architectes: Jean Nouvel, Emmanuel Cattani & Associés, Paris

Maître d'œuvre: Didier Brault

Conception structure porteuse: Ove Arup & Partners, Londres

Situé au cœur de la ville au milieu d'arbres vénérables, ce bâtiment compact en verre et en acier compte huit étages aériens et huit étages en sous-sol. Les étages en sous-sol renferment le garage souterrain, mais aussi les locaux techniques et les salles d'archives. Le rez-de-chaussée et le premier sous-sol abritent les salles d'exposition. Les autres étages sont réservés aux bureaux.

Le bâtiment a été construit en retrait sur le terrain pour éviter d'abattre des arbres. L'alignement de la rue, qui remonte au 19^e siècle, est matérialisé par une paroi vitrée avancée. Ces «coulisses» et les façades transparentes qui s'étendent au-delà des angles du bâtiment servent de cadre à la nature.

La construction est composée d'un squelette en acier intérieur pourvu de poutres au niveau des étages. Leurs ouvertures en nid d'abeilles et la conception inhabituelle des poutres au point d'assemblage avec les colonnes offrent suffisam-

ment d'espace pour le passage des goulottes d'installation et des câbles. Les poutres ont une portée libre de 17 mètres environ et permettent ainsi une grande flexibilité d'agencement dans les salles d'exposition du rez-de-chaussée. La rigidité du bâtiment est assurée d'une part par le panneau du toit, et d'autre part par des contreventements en croix dans la direction transversale de la construction et les cadres des étages dans la direction longitudinale.

Prix : EUR 95,50- (ht)

Commande

Presses Polytechniques et Universitaires
Romandes
EPFL-Centre Midi
CH-1015 Lausanne
Tél. : +41-21693.41.31, Fax : +41-21/693.40.27
E-mail : ppur@epfl.ch
Internet : <http://www.ppur.org>

INTERNATIONAL JOURNALS

Issued by TechnoPress:

<http://technopress.kaist.ac.kr/mainPage.jsp>

TechnoPress is a new publishing house specialised in the publication of international journals and conference proceedings. Also TechnoPress sponsors International Conferences.

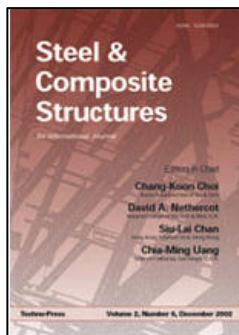
You can contribute to the journal by submitting your paper. For more details, please e-mail at the following address: technop@chollian.net or fax to: (+82-42)869-8450.

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Internet: <http://technopress.kaist.ac.kr>

Mr. C.K. Choi is Institute Chair Professor at the Department of Civil Engineering, Korea Advanced Institute of Sci & Tech.



Among these journals, there are the following:

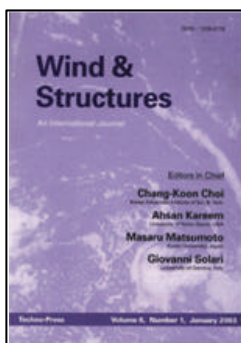


**STEEL & COMPOSITE
STRUCTURES.**
ISSN 1229-9367

This International Journal, is an excellent publication channel, which reports the up-to-date research developments in the steel and steel-concrete composite structures from the international steel engineering community.

• **Aims and Scopes**

The research results reported in this journal address all aspects of theoretical and experimental research, including buckling / stability, fatigue / fracture, fire performance, connections, frames / bridges, plates / shells, composite structural components, hybrid structures, fabrication / maintenance, design code, dynamic / vibration, nonferrous metal structures, and analytical methods. The journal specially wishes to bridge gap between the theoretical developments and the practical applications for the benefits of both academic researchers and practicing engineers. In this light, contributions from the practicing engineering are especially welcome.



WIND & STRUCTURES
ISSN 1226-6116

• **Aims at**

- Major publication channel for research in the general area of wind and structural engineering;
- Wider distribution at more affordable subscription rate;
- Faster reviewing and publication for manuscripts submitted.

• **Audience**

Civil engineers, Architectural engineers

IABSE PUBLICATIONS

➤ **Evaluation of existing steel and composite bridges**

The management of existing highways and railways is of ever increasing importance as structures become older and budgets become tighter. The evaluation and maintenance of existing structures is a major civil engineering task. Thus, the development of efficient methods for facilitating this task is much needed and must be based on relevant research. The Workshop held in Lausanne in 1997 focused on the evaluation of existing steel and composite bridges by creating an international forum for the presentation and discussion of innovative ideas and recent advances in this field.

This Report (Volume 76), contains 24 papers presented and discussed at the Workshop. The papers are presented under the six themes of the Workshop: Basis of Evaluation, Planning and Inspection, Model Updating, Site Measurement, Fatigue Testing, Fatigue Assessment. It contributes to the development of efficient methods for the evaluation of existing steel and composite bridges and aids the transfer of these methods from research to practice.

The Report could be ordered at IABSE: www.iabse.org/publications/reports/volume76.html

➤ **Use of Fibre Reinforced in Bridge Construction**

Structural Engineering Documents 7 (published August 2003)

Author: Prof. Thomas Keller, Switzerland
131 pages and 186 illustrations
In English
ISBN 3-85748-105-0

Price: * IABSE Members : CHF 40,- + mailing costs
* Non-Members : CH 80,- + mailing costs

To order:

www.iabse.org/publications/sed/se7.html



WHAT ABOUT THE TECHNICAL COMMITTEES?

TC 10 – Structural Connections

Proceedings of the 84th meeting in Prague, on 13-14 March 2003 is available on the web site, section “Committees”.

Mr. N. Yeomans retired from his position in the Committee

For your information, please note the workshop to be held in conjunction with AISC (USA) – ECCS

TC 10, on 20-24 May 2004, in Amsterdam (The Netherlands). The TC 10 meeting will precede this workshop

TC 8 –

This committee will meet on 24 October 2003, in Ljubljana, Slovenia. The meeting will take place in the Faculty of Civil and Geodetic Engineering’s premises.



ECCS COMMITTEES DIARY

2003

Sept.	TC 10	11-12/09/03	Lapland
Oct.	AC 3	23-24/10/03	Prague
	TC 8	24/10/03	Ljubljana
	MCs Chairmen	30-31/10/03	Paris
	PMB-MCs Chairmen	31/10/03	Paris
Nov.	Twg 6.4	13-14/11/03	Stuttgart

TC 11 13-14/11/03 Düsseldorf

Dec.	J.C.	02/12/03	Brussels
	EB	03/12/03	Brussels
	AC 7	18/08/03	Rotterdam

2004

June	TC10	02/06/04	Amsterdam
	TC10-AISC	03-04/06/04	Amsterdam



NEWS

ECCS

ECCS Annual General Meeting 2003

The Annual Meeting of ECCS were held in Lucerne, Switzerland from 17-19 September, in conjunction with the International Steelday at which the European Steel Design Awards 2003 were presented.

The meetings were well attended, and we took this opportunity to thank the Swiss Association for the excellent organisation of the various meetings and the Gala Dinner.

Reports on the different meetings will be given in the next issue of the Newsletter.



EXTERNAL SOURCES

FROM OUR MEMBERS OR ASSOCIATES

BCSA

At its AGM on 10 July BCSA elected a new President and Deputy President.

Tom Goldberg, who is Joint Managing Director of Atlas Ward Structures Ltd in North Yorkshire,

has been Deputy President of BCSA since 2000 and has been elected President.

Donal McCormack, who is Managing Director of Terence McCormack Ltd in Northern Ireland, has been Chairman of the BCSA Northern Ireland Region and has been elected President

ECCS & EXTERNAL EVENTS

NEW

2003

➤ Acier & Béton au service de l'innovation- Journée technique Viaduc de Meaux

09 Sept. 2003, Meaux, France

Organised by:

- * OTUA
- * CIMbéton

Information:

OTUA
Valérie Dusséqué
Tel. : +31-(0)1/41.25.83.61
E-mail: valerie.dusseque@otua.ffa.fr

CIMbéton
Patrick Guiraud
Tel.: +31-(0)1/55.23.01.08
E-mail: p.guiraud@cimbeton.net

➤ Eurosteelmater III Edition

25 Sept. – 03 Oct. 2003, Illalago (TR), Italy

High level Training Course for the European Steel Industry.

Organised by:

- * ICSIM (Istituto per la Cultura e la Storia d'Impresa) ;
- * UP (University of Perugia);
- * CSM (Centro Sviluppo Materiali S.p.a.)

Supported by:

- * EUROFER (European Confederation of Iron and Steel Industries);
- * UE (European Commission);
- * EMF-FEM-EMB (European Metalworker's Federation _ Fédération Européenne des Métallurgistes – Europäischer Metallgewerkschaftsbund)

Venue: Villalago di Piediluco (Terni-Umbria-Italy)

Numbers of participants: 12

Language: English

Registration fees: * EUR 3.000- + Travel expenses
* EUR 2.500- + travel expenses (for Ph D. students)



Information & contacts:

Dr. Andrea Di Schino
Materials Engineering Center (University of
Perugia)
Loc. Pentima Bassa, 21
Piazzale Rodolfo Morandi 2
I-05100 Terni
Tel.: +39-0744/492 924
Fax : +39-0744/407 468
E-mail: euosteelmaster@icsim.it
dischino@unipg.it
Web site : www.icsim.it

➤ **III Settimana delle costruzioni in acciaio**

28-30 Sept. 2003 – 01 Oct. 2003, Genova, Italy

Organised by:

- * C.T.A. – Collegio dei Tecnici dell'Acciaio
- * Promozione Acciaio
- * Università di Genova (Facoltà di Ingegneria,
Facoltà di Architettura)
- * ACAI – Associazione fra I Costruttori in Acciaio
Italiani

1) 28, 29, 30 Sept. 2003 : XIX Congresso C.T.A.

*“PROGETTARE E COSTRUIRE OGGI CON
L'ACCIAIO”*

Venue:

- **Sunday afternoon:** University of Genova (Aula
Magna dell'Università di Genova), Piazza di
Sarzano 37, ex chiesa S. Salvatore, Genova;
- **Monday & Tuesday morning:** Facoltà di
Architettura dell'Università di Genova, Stradone
Sant'Agostino 37, Genova;
- **Tuesday afternoon:** Magazzini del Cotone,
Pamazzina S. Giobatta, via Al Porto Antico,
Genova

Registration fee: * Members: EUR 400,00-
* Non members: EUR 485
* Accomp. Person : EUR 150
* Student : EUR 85

Information:

Segreteria
C.T.A.-Collegio dei Tecnici dell'Acciaio
Sig.ra Gianna Borla
Piazzale Rodolfo Morandi 2
I-20121 Milano
Tel. - Fax: +39-02/784 711
E-mail: c.tacciaio@tiscalinet.it

2) 01 Oct., 2003: Convegno di Promozione
Acciaio

*“L'ACCIAIO NEGLI INTERVENTI DI
RIQUALIFICAZIONE”*

Venue: Magazzini del Cotone, palazzina S;
Giobatta, via Al Porto Antico, Genova

Registration fee: * Members CTA: EUR 36,-
* Non members: EUR 50,-
* Student : EUR 20,-

Information:

Segreteria
E20 sas
Via San Pietro 65
I-35139 Padova
Tel. : +39-049/875 60 06
Fax: +39-049/878 16 07
E-mail: smarcozz@tin.it

➤ **Conference Tall Buildings and Transparency**

5-7 Oct., 2003, Stuttgart, Germany

Organised by:

- * ILEK (Institute for Lightweight Structures é
Conceptual Design);
- * Bauen mit Stahl;
- * Guardian

in co-operation with the Council on Tall Buildings
and Urban Habitat (CTBUH).



This conference will open new perspectives for the design and construction of lightweight and transparent structures.

Registration fees: - EUR 300-
- EUR 30- for students
- Eur 60- for the Dinner Party

Information & online registration:

CTBUH
Tel.: +49-711/685 6252
E- mail: info@ctbuh-stuttgart.de
Web: www.ctbuh-stuttgart.de

➤ **CEN Annual Meeting 2003 - "Standardization and Competition"**

9 October 2003, Berlin, Germany

Organised by:

- * CEN – European Committee for Standardization;
- * DIN – Deutsches Institut für Normung E.V.

Venue: Dorint Schweizerhof Hotel, Berlin

Information:

CEN
www.cenorm.be

DIN
www.din.de

➤ **Norwegian Steel Day 2003**

15 Oct. 2003, Oslo, Norway

Organised by:

- * Norwegian Structural Steel Association (NSSA)
- * Norwegian Steel Association (Norsk Stålforbund)

Venue: SAS Radisson Hotel, Holbergsgate 30, Oslo; Norway

Registration:

www.stalguiden.com/NFSstaldag2003registrationform.htm

Conference program:

www.stalguiden.com/NFSstaldag2003.htm

➤ **Constructional Steel Day Luxembourg 2003**

16 Oct. 2003, Luxembourg, Luxembourg

Organised by:

- * Staalinfocentrum – Centre Information Acier

Information:

Pierre de Gelder
CIA
Chsée de Zellik,
B- Brussels
Tel.: +32-(0)2/
Fax: +32-(0)2/
E-mail: Sandra.wenzel@dillinger.biz
Web: www.infosteel.com

➤ **Stahlbaukolloquium**

06 Nov. 2003, Dilligen, Germany

Organised by:

- * Dillinger Hütte GTS

Information:

Sandra Wenzel
Dillinger Hütte GTS, Marketing Stahlbau
Postfach 1580
D-66748 Dillingen/Saar
Tel.: +49-(0)6831/47-3454
Fax: +49-(0)6831/47-3089
E-mail: Sandra.wenzel@dillinger.biz
Web: www.dillinger.de

➤ **FP6 & Construction Research in the Enlarged European Union**

6-7 Nov. 2004, Warsaw, Poland

**Organised by:**

* E-CORE (European Construction Research Network)

The Workshop is open to everyone who wishes to contribute to the development of construction research in Europe. Detailed information about the Workshop (programme, social events, accommodation) and a Registration Form can be found on the E-CORE website:

www.e-core.org/warsaw.

Venue: Marriott Hotel, Al. Jerozolimskie 65/79, 00-697 Warsaw, Poland

Registration fees: EUR 160-

Information:

E-CORE Secretariat
c/o ECCREDI
Bd. Poincaré, 79
B-1060 Brussels
Tel.: +32-(0)2/655.77.11
Fax: +32-(0)2/653.07.29
E-mail: info@e-core.org
Web: www.e-core.org

➤ **STAINLESS STEEL WORLD – The Global CRA Experience**

11-13 Nov. 2003, Maastricht, The Netherlands

Organised by:

KCI Publishing BV

Venue: Maastricht, The Netherlands
(www.maastricht.nl)

Information:

Mr. S. Roymans
P.O. Box 396
NL-7200 AJ Zutphen

Tel.: +31-(0)575/585 270
Fax: +31-(0)575/511 099
Web: www.stainless-steel-world.net/ssw2003main/index.asp

➤ **Stahl 2003 – Architektur mit Stahl**

13-14 Nov. 2003, Düsseldorf, Germany

Stahl 2003 is where the steel industry meets its customers and suppliers, as well as representatives from business, politics and science.

In *Talk about Steel* and the *Steel Forum*, on 13 November, experts from Europe and overseas discuss current developments and topics covering a variety of aspects of steel as a material, and the steel industry itself.

The *Steel Get-together* on 13 November, from 5.30 p.m., is the social component of the annual meeting. The evening provides an excellent opportunity for exchanging ideas and developing new contacts in a relaxed atmosphere.

At the *Stahl 2003 General Meeting*, on 14 November, the steel industry presents its best arguments. Issues concerning the future of the industry and society are also discussed.

Organised by:

* Stahl-Zentrum

Venue: CCD. Congress Center Düsseldorf

Conference Languages: German / English (simultaneous translation)

Further information on topics and speakers, and online registration, are available at
www.stahl-online.de

Information:

Stahl-Zentrum
Steel Institute VDEh
German Steel Federation
Sohnstraße 65
D-40042 Düsseldorf
Tel.: +49-(0)211/6707-533/534
Fax: +49-(0)211/6707-670
Web: www.stahl-online.de



➤ **Earthquake Engineering – Modelling Concepts and Structural Design according to Eurocode 8**

25-27 Nov. 2003, Delft, The Netherlands

A course on the concepts on which Eurocode 8 for the Design of Structures for Earthquake Resistance is based. It will also provide insight into the limitations of structural members when they are deformed beyond the limits of the elastic range. The importance of designing for displacements rather than designing of forces will be emphasized.

The course will be structured around the book "Earthquake-Resistant Concrete Structures", by G.G. Penelis & A.J. Kappos, and the book "Theory and Design of Seismic Resistant Steel Frames", by F. Mazzolani & V. Piluso.

Venue: Technical University of Delft, Faculty of Civil Engineering

Course fee: * EUR 1.090- + travel costs and lodging;
* EUR 525- for Phd's of the Research School Structural Engineering + travel costs and lodging.

Certificate: Participants in the course receive a certificate at the end of the course.

Jointly organised by:

- * The Dutch Research School Structural Engineering;
- * The Foundation for Postacademic Education in Civil Engineering and Construction.

Information:

PAO (Postacademisch Onderwijs)
Civil Engineering and Construction
German Steel Federation
P.O. Box 5048
NL-2600 GA Delft
Tel.: +31-(0)15/278 46 18
Fax: +31-(0)15/278 46 19
E-mail: info@pao.tudelft.nl

Web: www.pao.tudelft.nl

➤ **Student's Steel Day 2003 – Student's Steel Prize 2002 -2003/ StudentenStaalDag 2003 – Studentenprijs Staal 2002-2003**

26 Nov. 2003, Louvain-la-Neuve, Belgium

Organised by:

- * CIA (Centre d'Information Acier)

Information:

CIA
Pierre de Gelder
Chsée de Zellik,
B- Brussels
Web: www.infosteel.com

➤ **Steel Buildings Conference - London**

27 Nov. 2003, London, United Kingdom

The "Steel Buildings" Conference and Exhibition, which is aimed at clients, designers, main contractors, steelwork contractors and suppliers, will review the latest developments in the design and construction of steel structures. There will be thirty stands at the Exhibition including steelwork contractors; steel suppliers; steel components; specialist design and 3D draughting software; cladding and decking; bending and curving.

Organised by:

- * BCSA (British constructional Steelwork Association)

Venue: The Brewery, Chiswell Street, London EC1

- Topics:**
- * Design and construction of single and multi-storey buildings;
 - * Best practice in specifications;
 - * Designing for Fire
 - * Health & Safety
 - * Project case studies



Conference fee: £120, plus VAT = £141.
The fee includes attendance at the Conference and Exhibition, lunch, documentation, and a copy of the new "Steel Buildings" book.

Information:

BCSA
Gillian Mitchell MBE
Director of Operations
Tel.: +44-020/7839 8566
E-mail: gillian.mitchell@steelconstruction.org
Web: www.steelconstruction.org

2004

➤ **Internationaler Architektur-Kongress –
Neues Bauen mit Stahl für Industrie und
Gewerbe**

14 Jan. 2004, DEUBAU Essen, Germany

Organised by:

* Stahl-Informations-Zentrum

in co-operation with Architektenkammer
Nordrhein-Westfalen.

Information:

Stahl-Informations-Zentrum
Postfach 10 48 42
D-40039 Düsseldorf
Email: sjz@stahl-info.de
Web: www.stahl-info.de

➤ **ECI Conference Series – 14th Conference
“Construction in Europe”**

18-19 March 2004, Brussels, Belgium

Organised by:

* European Construction Institute (ECI)

Venue: Crowne Plaza Hotel, rue Gineste 3,
Brussels

Information:

ECI
Sir Frank Gibb Annexe, West Park
Loughborough University, Loughborough
Leicestershire, LE11 3TU
United Kingdom
Tel.: +44-(0)1509/223 526
E-mail : eci@lboro.ac.uk
Web: www.eci-online.org/visitors/confer.html

➤ **5th World Workshop on Connections**

3-4 June. 2004, Amsterdam, The Netherlands

Organised by:

ECCS TC 10 and AISC

Information:

Tel.: +86-10/65131905
Fax: +86-10/652 48384

➤ **9th INALCO (International Conference on
Aluminium Connections”**

June 2004, Cleveland, U.S.A.

➤ **Steelbridge 2004 – International
Symposium on Steel Bridges**

23-25 June 2004, Milau, France

Organised by:

* OTUA

Topics:

- * Steel bridges;
- * Challenging bridge design and construction;
- * Innovative design;
- * Bridge health monitoring and management ;
- * Use of high performance steel for bridges;
- * Millau Viaduct: design and construction

Oral presentations are in English/French.
Simultaneous translation.



Information:

OTUA
Steelbridge 2004
Roula Kastanidi
Immeuble Pacific
13, Cours Valmy
F-92070 Paris la Défense
Tel.: +33-(0)1/41.25.87.42
Fax: +33-(0)1/41.25.56.75
E-mail: roula.kastanidi@corporatefactory.fr
Web: www.otua.org/events

➤ **ECCREDI & E-CORE CONFERENCE –
B4E Building for a European Future**

14-15 Oct. 2004, Maastricht, The Netherlands

Organised by:

- * ECCREDI;
- * E-CORE

Supported by the European Commission.

Venue: MECC-Maastricht Exhibition & Congress Centre; Forum 100, NL-6229 GV Maastricht, www.mecc.nl.

Topics:

- * Smart Construction;
- * Building the Future
- * Strategies for Innovation
- * Strategic Alliances

The official language of the Conference is English. Oral presentations and discussions will be in English only.

Papers:

A volume of all accepted papers will be published, together with the Conference CD-ROM containing full papers and other Conference material. Proceedings and CD-ROM will be available at the Conference.

Registration fees:

Registration before 31 July 2004: EUR 350,- (excl. 21% VAT).

Registration fee includes:

- participation in the 2-day Conference;
- the proceedings (CD-ROM and printed version) available at the registration desk;
- the Welcome Reception;
- the coffee breaks and lunches.

Details of the program can be found on the web site [For](http://www.b4e.org) further information, please visit www.b4e.org

Information:

ECCREDI & E-CORE Conference B4e
C/o Advanced Fair
Av. Woluwe-St-Lambert, 52
B-1200 Brussels
Tel.: +32-(0)2/732.94.56
Fax: +32-(0)2/732.03.41
E-mail: info@b4e.org
Web: www.b4e.org

2005

➤ **IABSE 2005 Symposium: “Structures and Extreme Events”**

14-16 Sept. 2005, Maastricht, The Netherlands

Organised by:

- * IABSE

Information:

IABSE Secretariat
ETH Honggerberg
CH-8093, Zurich, Switzerland
Tel.: +41-1-6332647
Fax: +41-1-6331241
E-mail: secretariat@iabse.org
Web: www.iabse.org



➤ **Eurosteel 2005 Maastricht**

8-10 June 2005, Maastricht, The Netherlands

4TH European Conference on Steel- and Composite Structures
Research – Eurocodes – Practice

Organised by:

- Université de Liège, Belgium ;
- Rheinisch-Westfälische Technische Hochschule Aachen, Germany ;
- Technische Universiteit Eindhoven, The Netherlands

in co-operation with ALMA

Objectives:

Among other things the Eurosteel-Conference 2005 will through examples describe the development and the rich opportunities that structures of steel give for modern architects and engineers.

The conference will also present and discuss a great variety of latest research results and next ideas for the further development of steel structures and products in the steel field.

The conference language is English.

The papers presented at the Conference will be published in the Conference Proceedings, which will be distributed to participants upon registration.

Topics :

- Unified European design rules for products and buildings and civil engineering works;
- New Materials and structural performance
- Innovative steel and composite bearing structures for bridge and building projects;
- Integrated design;
- Research and Development projects.

For more information, please visit the web site:
www.eurosteel2005.info

Information:



E-mail: contact@eurosteel2005.info
Web: www.eurosteel2005.info

ECCS & External Events Calendar

2003

Date	Event	Location
07-12 Sept. 2003	International Conference on Advanced Materials for Construction of Bridges, Buildings and other Structures-III Engineering Conferences International-ECI www.engfnd.org	Davos, Switzerland
09 Sept. 2003 	Acier et Béton au service de l'innovation – Journée technique Viaduc de Meaux OTUA – CIMBéton Valerie.dusseque@otua.ffa.fr	Meaux, France



Date	Event	Location
11-12 Sept. 2003	2003' Cologne ISFSSS – International Seminar on Fire Safety of Steel Structures University of Hannover, Institute for Steel Construction www.stahlbau.uni-hannover.de	Köln, Germany
16-19 Sept. 2003	ECCS Annual Meetings ECCS-CECM-EKS	Lucerne, Switzerland
17-20 Sept. 2003	20 th Czech and Slovak National Conference "Steel Structures and Bridges" 2003 Czech Technical University in Prague www.fsv.cvut.cz/OK2003/	Czech Technical University, Prague, Czech Republic
25 Sept. – 3 Oct. 2003	Eurosteel master III Edition www.icsim.it	Villalago (TR), Italy
28-30 Sept. – 01 Oct. 2003	 III Semana delle costruzioni in acciaio : « Progetta e costruire oggi con l'Acciaio » « L'Acciaio negli interventi di riqualificazione » C.T.A. (Collegio dei Tecnici dell'Acciaio) c.tacciaio@tiscalinet.it smarcozz@tin.it	Genova, Italy
29-30 Sept. 2003	8th International Galvanizing & Coil Coating Metabulletin Conference www.metabulletin.com/level3/marketing/conferences/mbcf_8th-galv.asp	Barcelona, Spain
5-7 Oct. 2003	Conference Tall Buildings and Transparency ILEK – CTBUH www.ctbuh-stuttgart.de	Stuttgart, Germany
09 Oct. 2003	Standardization and Competition CEN Annual Meeting 2003 www.cenorm.be or www.din.de	Berlin, Germany
09 Oct. 2003	Staalbouwdag Bouwen met Staal www.bouwenmetstaal.nl	Amersfoort, The Netherlands
16 Oct. 2003	 Constructional Steel Day Luxembourg 2003 CIA www.infosteel.com	Luxembourg, Luxembourg
16-17 Oct. 2003	Osterreichischer Stahlbautag Österreichischer Stahlbauverband (ÖSTV) www.stahlbauverband.at www.fms.at	Vienna, Austria



Date	Event	Location
22-26 Oct. 2003	International Association for Shell and Spatial Structures IASS-APCS 2003 National Taiwan University & IASS www.caece.net/iass2003	Taipei, Taiwan
06 Nov. 2003 	Stahlbaukolloquium Dillinger Hütte GTS www.dillinger.de	Dilligen, Germany
06-07 Nov. 2003 	EP6 & Construction Research in the Enlarged European Union E-CORE www.e-core/warsaw	Warsaw, Poland
11-13 Nov. 2003 	STAINLESS STEEL WORLD – The Global CRA Experience KCI Publishing BV www.stainless-steelworld.net/ssw2003main/index.asp	Maastricht, The Netherlands
12-14 Nov. 2003	5 th Asia-Pacific Conference on Shock & Impact Loads on Structures Engineering Conferences International www.engfnd.org	Changsha, Hunan, China
12-15 Nov. 2003	MetalsFair 2003 Metallurgical Council of CCPIT www.metalsfair.com	Guangzhou, China
13-14 Nov. 2003 	Stahl 2003 Stahl-Zentrum www.stahl-online.de	Düsseldorf, Germany
25-27 Nov. 2003 	Course Earthquake Engineering – Modelling Concepts and Structural Design according to Eurocode 8 PAO (Postacademic Education in Civil Engineering and Construction) & Dutch Research School Structural Engineering www.pao.tudelft.nl	Delft, The Netherlands
26 Nov. 2003 	Student's Steel Day 2003 – Student's Steel Prize 2002.2003 CIA www.infosteel.com	Louvain-la-Neuve, Belgium
27 Nov. 2003 	Steel Buildings Conference BCSA www.steelconstruction.org	London, United Kingdom

**2004**

Date	Event	Location
14 Jan. 2004 	Internationaler Architektur-Kongress - Neues Bauen mit Stahl für Industrie und Gewerbe Stahl-Informations-Zentrum www.stahl-info.de	Essen, Germany
18-19 March 2004 	ECI Conference Series – 14 th Conference “ <i>Construction in Europe</i> ” ECI (European Construction Institute) www.eci-online.org/visitors/confer.html	Brussels, Belgium
03-04 June 2004 	5 th World Workshop on Connections ECCS TC 10 & AISC (American Institute of Steel Construction)	Amsterdam, The Netherlands
23-25 June 2004 	Steelbridge 2004 – International Symposium on Steel Bridges OTUA www.otua.org/events	Millau, France
June 2004 	9 th INALCO (International Conference on Aluminium Connections)	Cleveland, U.S.A.
07-09 June 2004	10 th Nordic Steel Construction Conference Danish Steel Institute-DSI www.steelinfo.dk	Copenhagen, Denmark
18-23 July 2004	Composite Construction in Steel and Concrete V Engineering Conferences International & United Engineering Foundation www.engconfintl.org	The Kruger National Park Conference Centre, Bergend-Dal, Mpumalanga, South Africa
22-24 Sept. 2004	IABSE Symposium on Metropolitan Habitats and Infrastructure Chinese Group of IABSE www.iabse2004.org.cn	Shanghai, China
14-15 Oct. 2004	E-CORE Conference – B4E Building for a European Future E-CORE & ECCREDI www.b4e.org	Maastricht, The Netherlands



2005

Date	Event	Location
08-10 June 2005 	EUROSTEEL 2005 MAASRICHT Université de Liège (Belgium), Rheinisch-Westfälische Technische Hochschule Aachen (Germany, Technische Universiteit Eindhoven (The Netherlands)) www.eurosteel2005.info	Maastricht, The Netherlands
14-16 Sept. 2005	IABSE 2005 Symposium IABSE www.iabse.org	Lisbon, Portugal



People & Committees

. Please note the following changes:

People

Changes in the National Associations:

* **The United Kingdom:** BCSA elected a new President:

Tom Goldberg
Managing Director
Atlas Ward Structures Ltd.

Mr. Tom Goldberg succeeded to Mr. Steve Fareham

Committees

Changes in the Working Committees:

See next issue of the Newsletter for the new organisation of the Committees approved by the Annual General Meeting of September 2003