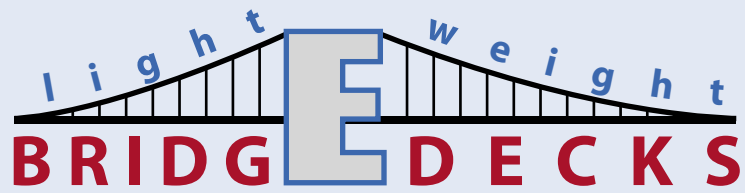


Final Announcement and Full Program



Conference & Matchmaking Session



New Rhine Bridge Wesel, Germany. Construction site to be visited by Cruise Boat

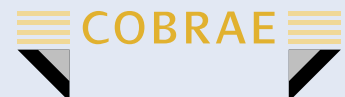
2 BRIDGE EXCURSIONS - 10 BRIDGES
Hotel Haarhuis, Arnhem, The Netherlands
18 - 20 June, 2008

Organised by:



NEW TECHNOLOGY EVENTS

In co-operation with:



Information about the Bridge Technology Matchmaking Session

Bridge Engineering Companies, Suppliers of Bridge components and Bridge building companies are invited to participate in the Matchmaking Session during the boat trip on the river Rhine.

12 individual meeting spaces are reserved on board of the tour boat, where company representatives can meet bridge-owners in pre-arranged meetings. Conference delegates can indicate which companies they would like to have a brief (ca. 10 minutes) meeting during the trip.

One table and two chairs are furnished per space. Presenting companies may bring a background display and sales and technical literature. Participation for registered conference delegates is at no extra charge to book a space.

Please note:

Because of safety regulations the number of delegates and matchmakers on the boat excursion from Arnhem to Wesel, Germany is limited to 70 persons.



WHO NEED TO COME TO ARNHEM?

The conference is aimed at persons employed in the following area's or jobs:

- * Civil and Structural Engineering Consultants
- * Civil and Structural Engineers
- * Bridge Consultants
- * Bridge Engineers
- * Architectural Design Consultants
- * Bridge Architects
- * Public Infrastructure owners
- * Public Servants
- * National & local government officials
- * City- County- and State Engineers
- * Composite Materials Manufacturers
- * Composite specialists
- * Aluminium Bridge-deck Manufacturers
- * Aluminium specialists
- * Research Laboratories
- * Researchers
- * University and Technical Colleges
- * Educators and Research Professors

Wednesday, June 18th, 2008

Boat Tour with Matchmaking Session

- AM Arrival Delegates Hotel Haarhuis, Arnhem (opposite Arnhem Central Station)
- 12.00 Departure from Hotel Haarhuis to the **Boat tour Bridge Technology Matchmaking Session**, Arnhem to Wesel, Germany
- 13.00 Lunch on board Sailing to Wesel – Bridge Technology Matchmaking during trip
- 16.00 **Visit New Wesel Rhine Bridge** under construction
- 18.00 Return trip with on Board Buffet dinner
- EV Hotel Haarhuis, Arnhem.

Thursday, June 19th, 2008

Conference and Bus Excursion

- 09.30 **Opening Conference:**
Dr.-Ing. Andre Weber, COBRAE Chair

- 09.40 **Conference General Session**

Introduction: The importance of saving weight in Bridge Construction

Prof. ir. L.A.G. Wagemans, University of Delft, Netherlands. (request)

Light weight Orthotropic Steel Deck Application in the widening of a bascule span bridge – Sydney Australia

Mr. Peter Thomas Sheasby, Connell Wagner, Australia

Light-weight Aluminium bridges and bridge decks .

An overview of recent applications

Mr. D. de Kluijver

Bayards Aluminium Constructions B.V. NL

- 10.40 Coffee Break

- 11.00 **Conference General Session**

Validation of a 10 m-span composite UHPFRC carbon fibre/timber bridge

Mr. François Toutlemonde, Chief Engineer, Othman Ben Mekki. University Paris-Est, LCPC, Bridges Division – Paris, France

Designing Bridge Decks with High

Strength Concrete

Mr. René Koot, Amsterdam Engineering Bureau, Netherlands.

The use of Aluminium Decks in bridge construction

Mr. Menting, BRS, Netherlands.

Overlaying steel decks with HPC

Speaker to be announced, RWS, Netherlands.

12.30 Departure **Holland Bridge Excursion**
Luncheon served on bus

Bus Excursion to visit Bridge Projects

- Footbridge Delft
- Calatrava Light Steel Bridges Hoofddorp
- Aluminium Draw Bridge Amsterdam
- Enneüs Heerema Bridge IJburg, Amsterdam
- Renovation Project HS Concrete Deck Hollandse Brug, Almere
- All Composite Bicycle Bridge, Dronten
- Renovation project IJssel Bridge Zutphen

19.30 Dinner IJsselpaviljoen Zutphen
Return Hotel Haarhuis Arnhem

Friday, June 20th, 2008

Conference

09.30 **Polymer Composite Session**



KEY-NOTE

The status of the use of Composite materials in Bridge Decks in USA

Prof. Lawrence C. Bank, PHD. PE,
- University of Wisconsin-Madison, USA.
- US National Science Foundation, Washington DC, USA

Prefab GFRP Panels Reinforcement in Concrete Bridge Decks

Prof. Lawrence C. Bank, PHD. PE.

10.30 Coffee Break

11.00 **Conference – Polymer Composite Session**

Lightweight Fibercore bridges

Mr. Simon de Jong, Fibercore Europe, Netherlands

Options for Composite Bridge Decks, Regge Bridge Wierden

Ir. Wouter Claassen, Witteveen & Bos, Netherlands

New 200 mm Delta Snap Fit Deck for Heavy Traffic Bridges in Korea

Prof. Sung Woo Lee, KCI, Korea
(Read by COBRAE Secretary, Mr. Jaap Ketel)

12.00 Lunch

PM Departure Delegates. End of conference.

Programme subject to change

Today's bridges are challenging Engineers!

A bridge structure must be a fine tuned balance between engineering demands, esthetical design and life time cost.

Today's Bridge-Engineers are challenged to construct bridges with longer spans whilst use less materials to save weight. Bridges need to be strong enough to take static and dynamic loads, have sufficient stiffness, allow for severe climatic conditions and need little or no maintenance.

At the same time engineers must also look at initial cost of the structure, since principals always seem to have insufficient funds to build the bridge they really want.



All composite Bicycle Bridge, Dronten. Photo: KCA

New Materials can give new solutions!

The challenges facing the Engineers can be greatly solved with new materials and new construction methods.

Since bridge decks traditionally form a greater part of the static weight of a bridge construction, weight saving pays here first.

Also, today's construction methods require more and more off-site production so to speed up the building process. Thus, new types of bridge decks have been developed in recent years.



Innovative topics to be discussed

The conference Lightweight Bridge Decks will discuss the following topics:

- * *New design rules for bridge constructions.*
- * *Fatigue and failure analyses.*
- * *Dynamic loading modeling, Vibration.*
- * *Integrated polymer concrete or asphalt.*
- * *Lightweight deck surfacing systems.*
- * *Case stories.*

- * *Research, development, design and construction of:*
 - *High Strength Concrete decks*
 - *High Strength Steel bridge decks*
 - *Composite bridge decks*
 - *Aluminium bridge decks*

CONFERENCE VENUE



Photo: Best Western Hotel Haarhuis

Best Western Hotel Haarhuis

Best Western Hotel Haarhuis is situated in the centre of Arnhem, opposite the Arnhem Central Railway Station.

Please note that hotel accommodation is not included in the registration and must be done by yourself.

*Special Negotiated room price:
Euro 134,- (incl. breakfast)*

Quote "Brisk Events" when making your reservation.

*Best Western Hotel Haarhuis
Stationsplein 1
NL- 6811 KG Arnhem
THE NETHERLANDS*

*Tel: +31 (0)26 442 7441
Fax: +31 (0)26 442 7449
E-mail: info@hotelhaarhuis.nl
Web: <http://www.hotelhaarhuis.nl>*

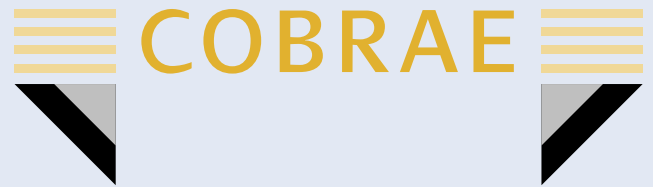
CONFERENCE PARTICIPATION

It is possible to participate in this conference in various ways:

- * Regular delegate Refer to registration form
- * Speaker delegate 50 % reduction on regular delegate fee
- * Matchmaking Session during boat tour
No extra charge on regular delegate fee
- * Advertisement in Conference Proceedings
Euro 350,- (excl. 19% VAT)
- * Conference package Please contact Brisk Events

For more detailed information, please contact the Brisk Events office:
+31 33-4343 500 / info@briskevents.nl

COMPOSITE BRIDGE ALLIANCE EUROPE



COMposite BRidge Alliance Europe

The Lightweight Bridge Decks is organised in close co-operation with COBRAE, the COMposite BRidge Alliance Europe.

COBRAE's mission is to promote the research, development, standardisation and application of fibre reinforced polymer composites in rehabilitation, upgrade and new build bridge constructions and infrastructure applications.

The aim of COBRAE is to provide a platform for interaction between the bridge construction industry, the fibre reinforced polymer composites industry, research institutes and the owners of bridges and research/educational institutes, which can aid in the responsible use of fibre reinforced polymer composites in bridge construction.

This aim will be achieved by the provision of educational and technical material for dissemination in the construction industry, by working with industry professionals to assist in the establishment of industry codes and specifications, and by promoting the use of quality fibre reinforced polymer composites products in bridge constructions.

For more information on COBRAE membership, please contact the COBRAE office:

Tel: (31) 33-4343 500,
E-mail: info@cobrae.org
Web: <http://www.cobrae.org>

For further information: <http://www.briskevents.nl>



NEW TECHNOLOGY EVENTS

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