Target Audience

The Special Symposium on Tubular Structures and the Workshop on Architectural and Structural Design of Tubular Structures will be of direct interest to architects, designers, engineers, project managers and researchers. The papers and presentations will be presented by international experts who are directly involved in the development of international design guides and innovative designs.

Enquiries:
Please contact Mr. Gabriel Ong for more information at Tel : (65) 6516 5113 Fax : (65) 6874 5097 or E-mail : engokhg@nus.edu.sg

Payment: Payment is required prior to the workshop. Crossed cheques should be made payable to “National University of Singapore” and mailed together with the registration form to the mentioned address.

Discount: Ten percent (10%) discount is applicable to:
  o NUS Alumni members;
  o Organisations / Companies sending three or more participants.

TWENTY PERCENT (20%) DISCOUNT FOR:
Participants registering for both Symposium & Workshop

Registration fee is inclusive of workshop materials, lunches and tea breaks.

Special Symposium On Tubular Structures
(PE Board Accredited PDUs pending approval)
(Singapore Institute of Architects Accredited CPDs pending approval)
6 December 2007

And

Workshop on Architectural and Structural Design of Tubular Structures
(PE Board Accredited PDUs pending approval)
(Singapore Institute of Architects Accredited CPDs pending approval)
8 December 2007

By International Group of Experts
From Australia, Canada, China, Germany, Japan, Malaysia, Netherlands, Singapore, United Kingdom, United States of America

Organised by:
Centre for Offshore Research & Engineering and Department of Civil Engineering, National University of Singapore

Supported by:
**Introduction**

The Special Symposium on Tubular Structures is organised as one of the two key events of the 5th International Conference on Advances in Steel Structures. The objective is to bring together international experts to present their papers on recent advances in research, development and innovative applications of tubular structures in architecture and structures.

The post-conference Workshop on Architectural and Structural Design of Tubular Structures will provide more detailed examples on innovative uses in architecture, bridges, large span and offshore structures. The experts who contribute directly to new design recommendations will present the latest guidance to the participants.

**Papers for Special Symposium on Tubular Structures:**

**Tubular Structures in the Ballet of Architecture** by Prof Mick Eekhout, Delft University of Technology, The Netherlands

**Innovative Projects with Hollow Sections - Bridges and Buildings and other Structures** by Mr Jürgen Krampen, V & M DEUTSCHLAND GmbH, Germany

**Design with Hollow Structural Sections – A Report on Recent Developments in the USA** by Prof Jeffrey A. Packer, University of Toronto, Canada

**Cast Steel – New Standards and Advanced Technologies** by Dr Stefan Herion, Dr Marian Veselcic and Prof Ram Puthli University of Karlsruhe, Germany

**Developments in Semi-Rigid, Partial Strength Connections for Tubular Columns** by Dr Andrew H. Orton, Corus Tubes, United Kingdom

**New Ultimate Strength Formulation for Axially Loaded CHS K-Joints** by Dr G.J. van der Vegte and Prof Jaap Wardenier Delft University of Technology, The Netherlands Prof Y. Makino, Kumamoto University, Japan

**A Uniform Effective Width Approach for the Design of CHS Overlap Joints** by Prof Jaap Wardenier, Delft University of Technology, The Netherlands

**A Uniform Approach For the Design of 100% CHS Overlap Joints** by Dr Qian Xudong and Prof Choo Yoo Sang, National University of Singapore, Singapore, Prof Jaap Wardenier, Delft University of Technology, The Netherlands

**Static Strength of Simple and Grouted Tubular X-joints Subjected to In-Plane Bending** by Prof Choo Yoo Sang and Mr Zhuo Chen, National University of Singapore, Singapore Prof Jaap Wardenier, Delft University of Technology, The Netherlands Mr John Gronbech, Densit Asia Pacific Sdn Bhd, Malaysia

**Dragline Tubular Structures Subjected to Fatigue Loading** by Prof Xiao-Ling Zhao, Dr P. Dayawansa and Prof John W.H. Price Monash University, Australia

**Experimental Study on Hysteretic Behavior of CHS Overlap K-joints and Gap KK-joints** by Prof Yiyi Chen and Prof Xianzhong Zhao, Tongji University, China

**Unzipping Analysis of a Full-Scale Offshore Structure Connection** by Dr Xudong Qian and Prof Peter Marshall, National University of Singapore, Singapore

**Workshop on Architectural and Structural Design of Tubular Structures:**

**Introduction** by Prof Choo Yoo Sang, National University of Singapore

**Tubular Structures in Architecture** by Prof Mick Eekhout, Delft University of Technology, The Netherlands

**Innovative Projects with Hollow Sections - Bridges and Buildings** by Mr Jürgen Krampen, V & M DEUTSCHLAND GmbH, Germany

**The new 2nd Edition of the CIDECT Design Guide for Circular Hollow Section Joints** by Prof Jaap Wardenier, Delft University of Technology, The Netherlands

**Tubular Braces and Slotted Plate Connections** by Prof Jeffrey A. Packer, University of Toronto, Canada

**New API Rules and Design for offshore structures** by Prof Peter Marshall, National University of Singapore

**Questions and Answers Session**
REGISTRATION FORM:
Special Symposium On Tubular Structures  
6 December 2007  
Fee: SGD214.00 (Inclusive of 7% GST)  
Workshop on Design of Tubular Structures  
8 December 2007  
Fee: SGD133.75 (Inclusive of 7% GST)  
Symposium & Workshop  
Fee: SGD278.20 (Inclusive of 7% GST)

Dr/Mr/Ms/Ms: ________________________________  
Designation: ________________________________
Organisation: ________________________________
Address: __________________________________________

Contact Person: ________________________________
NUS Alumni No.: ___________ Email: ________________________________
Tel No (O): __________________ Fax No: __________________

Payment mode:  
Cheque No/Bankdraft No.: ________________________________
VISA / MSTR/ AMEX No.: ________________________________

Expiry Date: __________________ Signature: __________________

20% DISCOUNT FOR REGISTRATIONS OF BOTH SYMPOSIUM & WORKSHOP !

Please submit Registration Form by mail or fax together with your payment by:  
30th Nov 2007  
Professional Activities Centre  
Blk EA #05-34, 9 Engineering Drive 1,  
Faculty of Engineering,  
National University of Singapore  
Singapore 117576  
Fax: +65 6874 5097  

Authorised Signature: __________________
Company Stamp: __________________

Professional Activities Centre  
Blk EA #05-34, 9 Engineering Drive 1,  
Faculty of Engineering,  
National University of Singapore  
Singapore 117576  
Fax: +65 6874 5097  

20% DISCOUNT FOR REGISTRATIONS OF BOTH SYMPOSIUM & WORKSHOP !