Second International Symposium on Cold-formed Metal Structures

Organized by
Department of Civil and Structural Engineering, The Hong Kong Polytechnic University

Supported by
The Hong Kong Institute of Steel Construction

Sponsored by Corus Asia Limited

Date: 8 December 2006, Friday
Venue: Senate Room (Room M1603), Li Ka Shing Tower, The Hong Kong Polytechnic University
Time: 8:30 am (registration) for 9:00 am to 5:00 pm

Programme Highlights
Cold-formed metal sections and profiles are widely used in the construction industry due to their excellent structural performance, versatility in application, and high buildability during construction. There are growing interests globally on research and development of cold-formed metal structures including new materials, advanced analysis and design methods, innovative applications and product developments.

The following renowned researchers and engineers are invited to present recent advances and developments on the effective use of cold-formed metal in construction with special emphasis on practical applications:

Professor S P Chiew
Nanyang Technological University, Singapore

Professor K F Chung
The Hong Kong Polytechnic University, Hong Kong SAR

Professor H H Lau
Curtin University of Technology, Sarawak, Malaysia

Professor J Y R Liew
National University of Singapore, Singapore

Professor M Mahendran
Queensland University of Technology, Australia

Mr G K Raven
The Steel Construction Institute, United Kingdom

Professor K J R Rasmussen
University of Sydney, Australia

Professor Ben Young
The University of Hong Kong, Hong Kong SAR

Registration
The registration fee includes a copy of proceedings, a copy of CPD certificate and tea refreshment:

Regular Registration: HK$ 700 each
Group Registration: HK$ 600 each for group registration of at least 5 people

For Graduate Engineers who graduated in or after 2002, they may apply for registration with a special discount at HK$450. A copy of graduation certificate should be provided together with the completed Registration Form. As there are limited seats only, this category of registration is first-come-first-served.

CPD Certificate
A CPD certificate of attendance will be issued upon requested.

Please follow the two step registration procedure:
1. Fax the completed registration form to Ms. Peggy Wai (Fax: 2334 6389) for preliminary registration.
2. Post the completed registration form together with a crossed cheque payable to The Hong Kong Polytechnic University to Ms. Peggy Wai, Room TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong on or before Friday 1 December 2006.

Please note that registration will only be confirmed upon receipt of payment and on a first-come-first-served basis. For details of registration, please contact Ms. Peggy Wai (Tel.: 2766 6052). For technical details, please contact the Symposium Organizer, Prof. K F Chung (Tel.: 2766 6063, E-mail: cekchung@polyu.edu.hk). For latest information, refer to http://www.cse.polyu.edu.hk/seminar.html or http://www.hkisc.org/.
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<table>
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<tr>
<td>8:30 am</td>
<td>Registration</td>
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<tr>
<td>9:00 am</td>
<td>Opening Speech</td>
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</table>
| 9:10 am | **Lecture 1**  
  Strength of unstiffened elements in G550 high strength steels  
  Professor K J R Rasmussen  
  University of Sydney, Australia  
  Ir K K Choy  
  Assistant Director  
  Buildings Department |
| 9:50 am | **Lecture 2**  
  Advances in deployable membrane structures  
  Professor J Y R Liew  
  National University of Singapore, Singapore  |
| 10:30 am| Tea / Coffee Break                                                      |
| 10:50 am| **Lecture 3**  
  Towards codified design of metal roof systems  
  Professor K F Chung  
  The Hong Kong Polytechnic University, Hong Kong SAR  
  Ir C H Hui  
  Chief Engineer  
  Highways Department |
| 11:30 am| **Lecture 4**  
  Flexural behaviour and design of innovative LiteSteel Beams  
  Professor Mahen Mahendran  
  Queensland University of Technology, Australia  |
| 12:10 pm| Lunch Break                                                            |
| 2:00 pm | **Lecture 5**  
  Light gauge steel and modern methods of construction in the UK  
  Mr G K Raven, Senior Manager – Construction Technology  
  The Steel Construction Institute, United Kingdom  
  Ir S C Lam  
  Chief Structural Engineer  
  Housing Authority |
| 2:40 pm | **Lecture 6**  
  Cold-formed structural hollow sections in long span roof construction  
  Professor S P Chiew  
  Nanyang Technological University, Singapore  |
| 3:20 pm | Tea / Coffee Break                                                      |
| 3:40 pm | **Lecture 7**  
  Structural performance of aluminum alloy thin-walled tubular members in combined compression and bending  
  Professor Ben Young  
  The University of Hong Kong, Hong Kong SAR  
  Ir M K Tong  
  Assistant Director  
  Architectural Services Department |
| 4:20 pm | **Lecture 8**  
  Developments in storage racking structures using cold-formed steel sections  
  Professor H H Lau  
  Curtin University of Technology, Sarawak, Malaysia  |
| 5:00 pm | Closing Remarks  
  Ir Y K Cheng, Chairman, Joint Structural Division, HKIE & IStructE |
| 5:10 pm | End of Day                                                              |
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REGISTRATION FORM
(To be replied on or before Friday 1 December 2006)

To: Ms. Peggy Wai
Fax: 2334 6389

A. Personal Details:

<table>
<thead>
<tr>
<th>Title</th>
<th>Name (in full)</th>
<th>Name of Company</th>
<th>Tel. (or Fax)</th>
<th>E-mail address</th>
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B. Registration Details:

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<tbody>
<tr>
<td>1. Regular registration</td>
<td>HK$ 700</td>
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<td>2. Group registration</td>
<td>HK$ 600</td>
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<td>3. Registration* as Graduate Engineers (graduated in or after 2002)</td>
<td>HK$ 450</td>
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Total amount: HK$

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I enclose a crossed cheque (cheque no. _____________ ) with the sum of HK$ _____________ for the registration fee of the captioned Symposium.

Signature: ___________________________________________ Date: ____________________________

CPD Certificates of Attendance Please tick the appropriate box to indicate your choice:

☐ Yes, I / we would like to have CPD certificate(s). ☐ No, I / we do not want to have CPD certificate(s).