

# WIND DESIGN ACTIONS WORKSHOP to AS / NZS 1170-2

## PROGRAMME

8.30 - 9.00 **Registration**

### 9.00 - 10.30 **SESSION 1 - AS/NZS 1170.2 Wind Actions**

Wind is by far the most crucial loading in Australia once permanent and imposed actions have been addressed. Its complexities and dynamic behaviour require a more detailed analysis than that required for permanent and imposed actions. That being the case, this code will be addressed in more detail over the remaining 6 sessions of this workshop.

In this session, Dr John Holmes will address the basic principles of wind design as well as the development of this Code over many years. He will outline the requirements of the BCA and its relevance to AS1170.2. He will then outline the main differences between AS1170.1-1989 and AS/NZS1170.1-2002.

10.30 - 11.00 **Morning Tea**

### 11.00 - 12.30 **SESSION 2 - Wind Actions - Industrial warehouse buildings**

This session addresses the design for wind on a steel framed warehouse on the edge of an urban area. Key parameters to be addressed include Location, Terrain, Topography, Building Dimensions, Building Orientation, Regional Wind Speed, Aerodynamic shape factor, Dynamic response factor, Pressures on Doors and Windows. A tutorial exercise will be attempted by all and solutions will follow.

12.30 - 1.30 **Lunch - Sit down Hot and Cold Buffet.**

### 1.30 - 3.00 **SESSION 3 - Wind Actions - Medium height office buildings**

This session addresses the design for wind on an office building of medium height (e.g. 50m high). The building may be a concrete framed building in a tropical city such as Darwin. Whilst the standard parameters would still be Location, Terrain, Topography, Building Dimensions, Building Orientation, Regional Wind Speed and Aerodynamic shape factor, the calculation of base moments would also be required. A tutorial exercise will be attempted by all and solutions will follow.

3.00 - 3.30 **Afternoon Tea**

### 3.30 - 5.00 **SESSION 8 - Wind Actions - Lattice Steel Towers & other miscellaneous structures**

This session addresses the design for wind on a range of miscellaneous structures such as steel lattice towers, chimney stacks, bill board signs, pitched-free roof (e.g. open storage sheds). These are based on examples 6, 7, 8 & 9 from the publication "A Guide to AS/NZS 1170.2-2002 - Wind Actions" as referenced on the Registration form. A tutorial exercise will be attempted by all and solutions will follow.

### 5.00 - 5.15 **Certificate of Attendance and Feedback sheets.**

## VENUES

- Sydney NSW **Stamford Grand Hotel** -  
cnr Herring & Epping Rd, Nth Ryde
- Brisbane QLD **Mercure Hotel** -  
cnr Ann St and North Quay Brisbane
- Melb VIC **Hotel Grand Chancellor** -  
131 Lonsdale St, Melbourne
- Perth TBA

## SPEAKER

**John Holmes** BSc (Eng) Ph.D FIE (Aust)

Dr. John Holmes is a leading consultant on Wind Loads and Actions throughout the world and in Australia. He is the chairperson of BD6/2 - Wind Actions for Standards Australia and was involved in the writing of Australian Standards AS1170 2-1989 and AS/NZS 1170 2-2002. He is the author of two prominent books in the Australian marketplace namely "A Guide to AS/NZS 1170.2-2002 Wind Actions - 2005 edition" and "Wind Loading of Structures - 2007, 2nd edition".



## REGISTRATION

Please return to:  
Seminar Services Australia (Attn: Joanne)  
**Wind Design Actions Workshop**  
PO Box 913 Baulkham Hills NSW 1755  
Tel: 02 9899 7447 Fax 02 9899 5995  
Mob: 0413 998 031 Email: info@seminarservices.com.au  
I / We wish to attend the Wind Design Actions Workshop at

- |                 |                       |                          |
|-----------------|-----------------------|--------------------------|
| • Sydney NSW    | Monday 29 March 2010  | tick                     |
| • Melbourne VIC | Friday 11 June 2010   | <input type="checkbox"/> |
| • Brisbane QLD  | Thursday 15 July 2010 | <input type="checkbox"/> |
| • Perth WA      | TBA                   | <input type="checkbox"/> |

Workshop	Number <input type="text"/>	@ \$490	Total <input type="text"/>
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A Guide to AS/NZS 1170.2/2002 - Wind Actions by Holmes & King, 2005 edition	Number <input type="text"/>	@ \$50	Total <input type="text"/>
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Total Payment  \$

Cheque

[Cheques payable to 'Seminar Services Australia' note GST already included]

Name

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Company

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Email

Person Handling Payment (please print)

VISA  M.CARD  AMEX 4 DIGIT ID#

Cardholders Name

Expiry Date  /  Signature

*NB A 20% processing fee applies to registration cancellations made earlier than 5 working days before the course date. Cancellations made 5 working days or less incur forfeiture of the entire registration fee. No discounts apply.*

**CALCULATORS REQUIRED**