



Assoc Professor Tim Wilkinson

Seminar Package

Seminar Notes (PDF)

Light lunch on arrival

Afternoon Tea

Seminar Fee (incl GST)

\$375 ASI Member

\$455 EA Member

\$535 Non-Member

AS 4100 Steel Structures Design

This is a refresher seminar on the use of AS 4100 designed to put the basics of engineering theory into the context of how they apply to the clauses of AS 4100. This will assist designers when using AS 4100 to appreciate the applicability of relevant clauses and help with many 'grey areas' of design. The seminar will improve designer knowledge in the fundamental but critical aspects of analysis and steel design whilst maintaining a practical application to real structures. A balanced weighting of all aspects of the design process will be provided so that attendees leave educated on the approach and application of AS 4100 Steel Structures Design rules in determining the design capacity and structural adequacy of steel elements.

Who should attend? The seminar will be beneficial for all structural engineers, particularly those who are not frequent users of AS 4100 or need their skills updated. For experienced engineers, this is your opportunity to get expert feedback on issues of concern or clarification of code requirements.

For regular users of AS 4100, the seminar will provide higher level background understanding facilitating application of advanced methods and intent for extraordinary situations. The seminar will also include awareness of the expected revisions to AS 4100 currently in the Standards process, which involve introduction of the 'Construction Category' designation and referencing of the recently published AS/NZS 5131 'Structural Steelwork – Fabrication and Erection'.

Key Topics

- Limit State Design
- Tension
- Compression
- Bending
- Combined Actions
- Questions

Presenter

Tim Wilkinson is Associate Professor in civil engineering at the University of Sydney. Tim has previously worked for the Australian Steel Institute responsible for the second edition of the Open Section Design Capacity Tables. He then completed his PhD research in the field of tubular steel structures. Since 1999 he has been an academic staff member at the University of Sydney. He has nearly 18 years experience in research and teaching in steel structures and holds close knowledge of many Australian and International design standards in the field of steel structures, especially AS 4100. Tim is currently a member of Standards Australia committee WD-003 on Welding Structures and has had a longstanding involvement with the international tubular steel research and marketing group, CIDECT. Tim has presented previous ASI seminars on AS 4100 and is well known by his many graduates as a most passionate teacher and engaging presenter.

Engineers attending this seminar may gain CPD points to meet Engineers Australia requirements.

EA members who are not ASI members should email margritc@steel.org.au with current proof of membership to obtain the promotion code to access the EA Member reduced fee.

| Location | Date | Venue |
|-----------|----------------------|--|
| Brisbane | Monday 4 February | Brisbane Convention & Exhibition Centre, Cnr of Merivale & Glenelg Streets, South Bank |
| Sydney | Tuesday 5 February | Kirribilli Club, Lavender Room, 11 Harbourview Crescent, Lavender Bay |
| Melbourne | Wednesday 6 February | Amora Hotel Riverwalk, 649 Bridge Road, Richmond |
| Adelaide | Monday 11 February | Education Development Centre, Room 1.11B, 4 Milner Street, Hindmarsh |
| Perth | Tuesday 12 February | Geographe Room, State Library, Francis St, Perth |

Register online at: <http://steel.org.au/events-awards/events/>