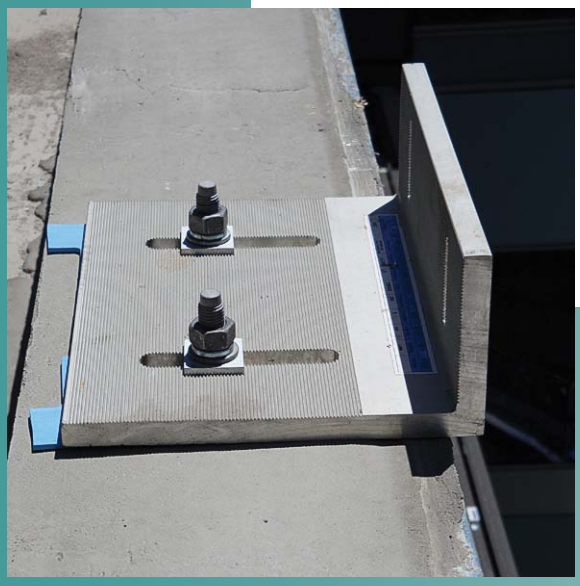
ASI seminar series 2012

AUSTRALIAN STEEL INSTITUTE



Minimising risk with structural fasteners

Design, procurement and installation perspectives

Construction supply chains have changed fundamentally in the past 10-15 years with globalisation challenging **quality and compliance of products**. The pace of change often outstrips established regulatory frameworks aimed at **ensuring health and safety**, leading to **increased risk** for all stakeholders in the value chain. This is most evident with procurement of fasteners such as **high-strength bolts** and **mechanical and chemical anchors**, with continuing industry concern that **compliance and installation** is problematic.

Seminar value

The seminar will provide clarity for all parties in the construction supply chain, supporting transparent and defendable design, procurement and installation practices and supporting obligations under the new *Safe Design of Structures* national Code of Practice, in line with the national Work Health and Safety Act 2011. This seminar will:

- Clarify current procurement processes for structural fasteners, specifically high-strength bolts and mechanical and chemical anchors.
- Address design aspects and performance requirements for design and the role of designers in ensuring compliance.
- Guide and firsthand demonstrate how to correctly install fasteners to meet performance requirements.
- Outline current compliance frameworks.
- Look at industry initiatives underway to help stakeholders meet their regulatory obligations

It will greatly assist:

- **Structural designers** and those who need to understand and specify structural fasteners
- **Fabricators** and **design-build contractors** to appreciate the performance requirements and the correct installation procedures
- **Procurers** and all others in the supply chain needing to understand their health and safety obligations and embrace best practice to minimise risk.

Registration for all attendees includes:

- **Seminar notes**
- **Lunch, afternoon tea and drinks after the event**

Seminar Fee (incl. GST)

$295	**ASI Member**
$315	**Engineers Australia Member**
$330	**ASI Non-member**

For further details contact Dr Peter Key, ASI National Technical Development Manager

Tel: 02 9931 6609 Email: peterk@steel.org.au Web: www.steel.org.au

ASI seminar series 2012

AUSTRALIAN STEEL INSTITUTE

BRISBANE (Tuesday, 20 November)
Brisbane Convention and Exhibition Centre, cnr. Grey and Glenelg Streets, South Brisbane

SYDNEY (Wednesday, 21 November)
Vibe Hotel, 88 Alfred Street, Milsons Point

ADELAIDE (Thursday, 22 November)
Education Development Centre, 4 Milner Street, Hindmarsh

MELBOURNE (Tuesday, 27 November)
ATC 420, Lvl.4 of ATC Building, cnr. Burwood Rd & John St, Swinburne University of Technology

PERTH (Thursday, 29 November)
Wardroom, South of Perth Yacht Club, cnr. Duncraig & Canning Beach Rds, Coffee Point, Applecross

Expert speakers

The **high strength bolts session** will be led by **Dr Saman Fernando** who holds a BSc Eng degree from the University of Peradeniya, Sri Lanka, and obtained his doctorate from the University of British Columbia, Canada, specialising in aerodynamics and thermodynamics. He joined Ajax Fasteners in 1997 focusing on R&D and advanced systems and has become an internationally recognised fastener expert and innovator with extensive research and publishing in fastener and manufacturing engineering. He is also the Principal and Director of SaFer Engineering Solutions, a company specialising in bolt forensics and failure investigations.

The presentation will be supported by international guests, **Chris Curvan** (Vice President and Field Technical Lead for Applied Bolting, USA) and **Tom Ujibayashi** (Global Marketing Manager Field Applications for TONE Tools).

The anchors presentations will be delivered by highly experienced engineers who are members of the Technical Committee of the Australian Engineered Fasteners and Anchors Council (AEFAC). The presenters in different states will include **James Murray Parkes, Ramil Crisolo, Gary Connah, Joe Rametta, Mike Coburn, Neil Hollingshead** and **Tarun Joshi**. AEFAC is based at Swinburne University of Technology and is chaired by **Prof. Emad Gad**. AEFAC was established recently to enhance the specification, selection, design and installation of structural anchors and fasteners in Australian construction.

Seminar program

12.00pm	**Registration and lunch**
12.30pm	**Introduction and Overview**
12.45pm	**Mechanical & chemical anchor design, procurement and installation (includes demonstrations)**
3.00pm	**Afternoon tea**
3.30pm	**High strength bolt design, procurement and installation (incl. demonstrations)**
5.30pm	**Forum and open discussion**
6.00pm	**Drinks and networking**

HOBSON HIGH-TENSILE

Kindly supported by
Hobson Engineering and **AEFAC**

AEFAC Australian Engineered Fasteners and Anchors Council

Book online at ASI's event registration system at: http://steel.org.au/events/asi-events

For further details contact Dr Peter Key, ASI National Technical Development Manager
Tel: 02 9931 6609 Email: peterk@steel.org.au Web: www.steel.org.au