

Full day
Workshop



EXPAN Timber Technology for Commercial Buildings

Workshop on timber systems for large spans buildings

The Structural Timber Innovation Company Ltd (STIC) has now completed a 5 year collaborative research program into new timber systems for multi-storey and long-span buildings. The research from the Universities of Auckland, Canterbury and Technology, Sydney has resulted in a range of world leading new timber technologies suitable for large span commercial, industrial and residential buildings. New timber systems include post stressed beam and frame systems, large span floors, roof systems and new timber connectors.

This all day workshop will introduce comprehensive guides on each new timber technology followed by a detailed worked example. Presentations will discuss the essential design issues for utilising this technology.

The workshop will include:

- Large span floor systems
 - Timber concrete composites (TCC)
 - All timber cassette floors
 - Discussion on acoustics, vibration and fire resistance
- Post-tensioned timber frames, and beams including fire resistance
- Long span roofs systems
- Timber Connectors
 - Timber rivet connections
 - Quick-Connect update



Presenters will be the developers of each technology plus local engineering practitioners carrying out a worked example.



Event information (3 locations):

DATE: Brisbane: Wednesday 5 June 2013, at Engineers Australia, Brisbane Auditorium
Sydney: Thursday 6 June 2013, at Engineers Australia, Sydney Auditorium
Melbourne: Friday 7 June 2013, at Engineers Australia, Melbourne Auditorium

COSTS: \$150 per person (includes lunch and GST)

RSVP: Please RSVP before Friday, 31 May 2013 to: Jane Letteri: 1800 685 519 or jane.l@tdansw.asn.au

Further information on each event will be sent upon your registration. The new guides will be available to all EXPAN registered designers by download from www.EXPAN.com.au prior to each event.

This workshop is brought to you by the Structural Timber Innovation Company in collaboration with WoodSolutions

PROGRAM

| Time | Item |
|---------------|---|
| 9:00 – 10:30 | Introduction and scope of Post Tension beam and frame design guide |
| 10:30 – 11:00 | Case study – Pre-stressed beam |
| 11:00 – 11:15 | Morning tea |
| 11:15 – 12:15 | Introduction to timber concrete composite and all timber floors design guides |
| 12:15 – 12:45 | Lunch |
| 12:45 – 1:15 | Case study – timber floor systems |
| 1:15 – 2:15 | Introduction to long span roof guide & timber rivets guide |
| 2:15 – 3:00 | Fire resistance design for floors, frames and walls |
| 3:00 – 3:15 | Procurement, cost studies supply chain management |
| 3:15 – 3:30 | How to access EXPAN design guides |



Tick which workshop you wish to attend

- Brisbane:** Wednesday 5 June 2013
- Sydney:** Thursday 6 June 2013
- Melbourne:** Friday 7 June 2013

Name:

(Additional colleagues)

Company:

Address:

Telephone:

Email:

PAYMENT DETAILS – Credit card

Card type: Mastercard/Visa **Expiry Date** /.....

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*Cancellation Policy: No Refunds will be given for cancellations within 7 days of the event date. Name substitution is allowed.

Name on card.....

Amount **Date**

Cardholder Signature

Fax back to 02 8424 3799

Is your company an EXPAN registered user? (Please tick)

(To become an EXPAN registered user, go to the resources page of www.expan.com.au, download the appropriate registered user agreement, complete, sign and email to admin@stic.co.nz)

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