

ALTERNATIVE APPROACHES TO REMEDIATION

30 MARCH 2020

One of the challenges in strengthening of concrete structures is selection of a strengthening method that will enhance the strength and serviceability of the structure while addressing limitations such as constructability and budget. Structural strengthening may be required due to many different situations. Additional strength may be needed to allow for higher loads to be placed on the structure. Strengthening may be needed to allow the structure to resist loads that were not anticipated in the original design. Additional strength may be needed due to a deficiency in the structure's ability to carry the original design loads.

Each strengthening project has its own set of restrictions and demands and requires creativity in arriving at a strengthening solution.

Strengthening techniques such as externally bonded systems, external post-tensioning systems, and supplemental supports can be considered. Engineering considerations include methods, materials, durability, fire considerations, field applications, benefits and limitations.

Strengthening systems can improve the resistance of the existing structure to internal forces in either a passive or active manner. Passive strengthening systems are typically engaged when additional loads beyond those existing at the time of installation are applied to the structure. Bonding fibre-reinforced polymer (FRP) composites on the structural members are an example of passive strengthening.

Strengthening of existing structures will always require detailed engineering analysis and design by a qualified engineer.

General engineering considerations involve improving the ability of the structural element to safely resist the internal forces caused by loading.

This event will also include networking drinks and canapes after the presentation with the presenters and your industry peers.

Presenters:



Ian Donoghue, Business Development
Manager at Freyssinet Australia



Marko Horvat, Composite Strengthening
Specialist at Simpson Strong-Tie

Event price: \$55pp for ACRA members and \$77 for non-members.

Time: Doors open at 5.45pm



Setting the standards in the remedial industry since 1991

WHERE

**COLMSLIE HOTEL
CNR WYNNUM RD & JUNCTION
RD, MORNINGSIDE QLD 4170**

TIME

5.45PM-8.30PM

PRICE

\$55 For Members

\$77 Non Members

Students FREE

RSVP

BY 20 March 2020

CONTACT US

Email: info@acrassoc.com.au

Phone +61 2 9645 3692

Postal: PO Box 452

**Chester Hill NSW 2162
Australia**

WEB

www.ACRAAssoc.com.au

**Australasian Concrete Repair
& Remedial Building
Association (ACRA)**



The registration fee is \$55 (GST inclusive) for members and \$77 (GST inclusive) for non-members.

- Cheque for \$____ is enclosed
- I am a member of ACRA
- Non ACRA member
- Students FREE Student ID # _____

Name: _____

Company: _____

Address: _____

Mobile: _____

Phone: _____

Fax: _____

Email: _____

Please retain a copy of the completed registration form as your tax invoice.

REGISTRATION

- Please invoice for 30 March 2020 QLD seminar

To pay via credit card, please complete the section below:

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Nicole Raymond
ACRA
PO Box 452
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Australia

Phone

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