



Design of Composite Beams, Slabs and Columns to AS/NZS 2327:2017

Learn how to optimize the design of composite structures by fully utilizing the latest revised, and significantly expanded material covering continuous beams, slabs and columns in AS/NZS 2327.

This seminar will provide a good initial grounding in current best practice for the design of simply-supported and continuous composite beams to AS/NZS 2327. The seminar will then explore design models for the design of composite slabs and composite columns. Strength, stiffness, products, design process, fire, testing, worked examples, practical design tips, detailing and good practice will all be covered. The seminar is a must - attend for engineers wanting to understand and gain maximum benefit from the revised standard!

Seminar Content

Concepts, Composite Action, Design Inputs

Design process

Simply supported and continuous beams. Section Classification, Construction Stage, Shear Connection, Moment resistance, Vertical Shear, Longitudinal shear, SLS, Fire, Testing

Composite slabs and profiled steel decking to AS/NZS 4600 and AS/NZS 2327. Decking types, Construction Stage Design Composite Stage Design, Reinforcement, Fire Conditions, Practical Design, Testing, Composite Slab Worked Example

Composite columns to AS/NZS 2327

Introduction, General Method of Design, Plastic Resistance of Cross-sections and Interaction Curve, Simplified design method, Special aspects of columns with inner core profiles, Load introduction and longitudinal shear, Fire Conditions, Composite Column Worked Example

Detailing and good practice for composite construction

Placing decking, Supporting decking, Edge Detailing, Slab Penetrations, Concreting, Top flange protection, Stud positioning

Times

12.00pm for 12.30pm start to 5.00pm finish

Seminar Package

Seminar Notes (PDF)
Light lunch on arrival
Afternoon tea

Seminar Fee (incl GST)

\$375 ASI Member
\$455 EA Member
\$535 Non Member

Presenter

John Merrick – Senior Technical Director, Arcadis.

John has over 20 years' experience in various types of structures including residential, commercial, retail, educational, health, recreational, stadiums and transport infrastructure in Australia and overseas. John is a committee member of Standards Australia Committees BD 032 - Composite Structures and BD 01 - Steel Structures and has presented papers at engineering conferences in Australia, United Kingdom and USA.

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

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



John Merrick

Technical Partner



Technical Partner



Location	Date	Venue
Brisbane	Monday 16 March	Brisbane Convention & Exhibition Centre, cnr of Merivale & Glenelg Streets, South Bank
Sydney	Tuesday 17 March	Lavender Room, Kirribilli Club, 11 Harbourview Cres. Lavender Bay
Melbourne	Wednesday 18 March	Amora Hotel Riverwalk, 649 Bridge Road, Richmond
Adelaide	Monday 23 March	Engineers Australia, Level 11, 108 King William Street, Adelaide
Perth	Tuesday 24 March	Great Southern Room, State Library, Francis Street, Perth

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

For further details, contact: **John Gardner** – ASI National Education Manager – Technical

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