Since the introduction of the current Bridge Design Standard, AS 5100, in 2004 there has been real advances in both design and construction methods and in materials technology. The various Australian Standard sub-committees have responded to this in preparing the new AS 5100. This presentation summarises the following key components of the proposed Standard;

- Part 5, “Concrete”
- Part 8, “Rehabilitation and Strengthening”

Current proposals are that Part 5 will now include provisions for steel fibre reinforced concrete (SFRC), hydrocarbon fire resistance, and major revisions for design for shear and torsion. The new Part 8 is proposed to address design and construction aspects of carbon fibre strengthening, cathodic protection and strengthening timber bridges.

**Guest Speaker: John Hilton, Aurecon**

John Hilton is a Technical Director at Aurecon and Aurecon’s Global Expertise Leader for Bridges. He is a highly experienced bridge engineer with a project history including bridges within Australia, the Middle East, South-East Asia, New Zealand and Africa encompassing a wide range of loadings, spans and structure types. John has over 35 years’ experience in bridge design and construction, and has been with Aurecon for over 25 years.

Recent projects include structure upgrades to the Sydney Harbour and ANZAC bridges in Sydney, the historic four span Allan truss upgrade in Canberra and the elevated roadway associated with the new airport terminal at Noi Bai in Hanoi. John led the bridges and structures verification team for the DJV for the Peninsula Link project. John is on the Standards Committee for the revisions to the Australian Bridge Design Code, AS 5100, chair of Sub-Committees for Concrete and Bridge Rehabilitation, and a member of subcommittees for Timber, and Steel and composite construction.

*Continuing Professional Development (CPD) may be claimed for this event*