Concrete Institute of Australia
Updates from Down Under!

Presented by:
Mr Michael van Koeverden
President, Concrete Institute of Australia

ACI International Forum
ACI Fall 2016 Convention, Philadelphia
About Us

The Concrete Institute of Australia

- Started in 1970 – 46 years young this year!
- Over 3000 Members
- Board, Council and 6 State Chapters
- Journal – “Concrete in Australia”, distributed quarterly to 6000+ people
- 2016 – 80+ events, > 3,900 delegates
- 28th Conference “Concrete 2017 – Advances in Materials and Structures”
- Our vision – Excellence in Concrete
CIA and ACI

- International agreement since 2003
- Over 200 ACI Members in Australia
- ACI publications and resources well recognised in Australia

Number of CIA Members are:
- Members of ACI
- Fellows of ACI
- Voting members of technical committees

Potential for CIA to:
- Facilitate closer technical liaison with ACI
- Support ACI activities in Australia
Why Does Concrete Do the Things It Does?
Professor Ken Hover
June & July 2016, Australia
Areas of Current Interest

- Supplementary materials in cement
- SCM’s
- Geopolymers
- Ultra high performance concrete
- Early Age Cracking
- Fibres in concrete
- Design of tall buildings
- Sustainability
- Life Cycle Analysis
- Serviceability

- Durability rationalisation
- Durability modelling
- Durability testing
- Fire design for concrete
- Seismic design for concrete
- Wind design for concrete
- Failure modes/risk analysis
- 3D concrete printing
- Specification – performance v prescription
New Recommended Practice Series

- Concrete Durability Series Z7/01 - Durability Planning
- Concrete Durability Series Z7/02 - Exposure Classifications
- Concrete Durability Series Z7/03 - Deemed to Comply Requirements
- Concrete Durability Series Z7/04 - Good Practice Through Design, Concrete Supply and Construction
- Concrete Durability Series Z7/05 - Durability Modelling
- Concrete Durability Series Z7/06 - Crack Control and Assessment
- Concrete Durability Series Z7/07 Performance Tests to Assess Concrete Durability
New Recommended Practice Series

Recommended Practice
Concrete Durability Series
Z7/01 - Durability Planning

Recommended Practice
Concrete Durability Series
Z7/02 - Exposure Classifications

Recommended Practice
Concrete Durability Series
Z7/03 - Deemed to Comply Requirements

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Z7/04 - Good Practice Through Design, Concrete Supply and Construction

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Z7/07 Performance Tests to Assess Concrete Durability
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CIA ACI Sub Committee

Concrete Institute of Australia

National Council

International Committee

ACI Sub-Committee

Initial engagement:

- Cements, binders and sustainability
- Durability and service life modelling
- Shrinkage, creep and serviceability
- Structural and civil design
- Reinforcement and other components
ACI Technical Committees

- Durability
  - ACI 201, ACI 365, ACI 222
- Cements, Binders, Sustainability
  - ACI 232, ACI 233, ACI 234, ACI 235, ACI 130, ACI 212
- Shrinkage, Creep and Serviceability
  - ACI 231, ACI 209
- Structural and Civil Design
  - ACI 318, ACI 506, ACI 305
- Reinforcement and other Components
  - ACI 440, ACI 221, ACI 544