

CONFERENCE WORKSHOP CEMENT CHEMISTRY FOR ENGINEERS

Concrete 2017 and the Concrete Institute of Australia are pleased to announce a special workshop that will be held in Adelaide prior to the commencement of the conference.

Key note speaker, Professor Karen Scrivener, will deliver a full day course on cement chemistry. The course is a one day version of Professor Scrivener's widely acclaimed more detailed course on cement chemistry that is conducted through RILEM, and is tailored for engineers, materials specialists, and cement & concrete practitioners.

Registration is available to all industry members, and Concrete 2017 delegates can add this workshop to their conference package.

DETAILS

Sunday 22 October 2017
The Bradley Forum, Hawke Building
UniSA, City West Campus
North Terrace, Adelaide
8.30am to 5.00pm

PRICING

	Attending Concrete 2017	Not attending Concrete 2017
CIA Members	\$220	\$250
Non-CIA Members	\$260	\$290
Students	\$70	\$100

AS PART OF



Karen Scrivener

Karen Scrivener obtained her PhD at Imperial College, Cambridge, in 1984 and continued on as a lecturer. In 1995 Karen joined Lafarge in France. In 2001 she was appointed Professor and Head of the Laboratory of Construction Materials at EPFL, Switzerland, which focuses on the sustainability of building materials. Karen is the founder of Nanocem and Editor in Chief of Cement and Concrete Research. In 2014 she was made a fellow of the UK Royal Academy of Engineering.



AGENDA

- 8:30 Registration Commences
- 9:00 Setting the scene – options for sustainable development of concrete to meet the world demand and implications for cement chemistry
- 10:00 Basics of cement hydration - nature of hydrates, thermodynamic prediction of hydrate assemblages, and mechanisms governing kinetics.
- 11:00 Physical structure of cement paste
- 13:00 Lunch
- 14:00 Impact of supplementary cementitious materials (SCMs) on hydration and microstructure
- 15:00 Impact of SCM on durability, particularly ASR
- 16:00 Open forum discussion/Q&A
- 17:00 Close