

Western Cape Branch

TECHNICAL MEETING INVITATION



The Concrete Society of Southern Africa Western Cape branch and PPC Ltd invites you

Cement Specifications update seminar

Date: **Thursday, 4 April 2019**

Time: 12:30 to around 16:00

Venue: The South African National Roads Agency Ltd (SANRAL), 1 Havenga St, Oakdale, Bellville

Topics & Speakers:

* **CPD points will be applied for**

Cement and concrete specifications – presented by *Steve Crosswell*



Steve Crosswell graduated with a degree in Civil Engineering from the University of Cape Town in 1975. He worked in the Roads Department of the City of Cape Town until 1981 carrying out road design and contract supervision. He joined the South African Institution of Civil Engineering and registered as a Professional Engineer in 1980.

He joined the Portland Cement Institute in 1981 as Regional Engineer for the Western Cape and left them as Regional Manager in 1996. His duties during that time included laboratory management, lecturing in concrete technology, providing an advisory service for concrete users, and "trouble-shooting" on site when problems arose.

In 1996 he joined PPC Cement as Technical Support Manager for the Coastal Region. He managed two accredited concrete testing laboratories and provided a technical support service for PPC Ltd customers which included advisory and site investigation services.

He is now retired and working for PPC Ltd as a consultant concrete technologist.

Achieving road stabilisation specifications and specification of cement per region

– presented by *Steph Bredenhann*



Steph Bredenhann is a Professional Engineer with more than 40 years' experience in large infrastructure and roads projects. He has a solid background in civil infrastructure engineering, specialising in roads design and contract management on projects from the inception phase to completion. Special skills entail material designs and modelling and the application thereof in the structural design of pavements. He specialised in pavement and roads materials engineering with pavement analyses and structural designs. Several papers in material modelling and pavement structural analyses were published and several papers on the same topics were refereed for international journals and conferences. He manages research in the Western Region of the SANRAL as well as the upgrading of the N7 from Cape Town to Malmesbury to freeway status.

Alkaline Aggregate Reaction (AAR) and cement specifications

– presented by *Prof Mark Alexander*



Mark Alexander is Emeritus Professor of Civil Engineering, and a Senior Research Scholar, at the University of Cape Town. He is involved in the Concrete Materials and Structural Integrity Research Unit (CoMSIRU) at UCT. He has a PhD from the University of the Witwatersrand, and is a Fellow of the University of Cape Town and RILEM. He is a registered Professional Engineer. He co-authored 'Aggregates in Concrete' (2005), 'Alkali-Aggregate Reaction and Structural Damage to Concrete' (2011), and 'Durability of concrete – design and construction' (2017), all published by Taylor and Francis/CRC Press, and was editor of 'Marine concrete structures. Design, durability and performance', Woodhead Publishers (2016).

Itinerary: 12:30 Registration and networking
13:30 Presentations:
* **Steve Crosswell**, Civil Engineer and Consultant, PPC Ltd
* **Steph Bredenhann**, Professional Engineer, SANRAL
* **Prof Mark Alexander**, Emeritus Professor of Civil Engineering, UCT
16:00 Snacks and refreshments

Cost: Free

RSVP: By COB on 27 March 2019 to westerncapecssa@gmail.com

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Thank you SANRAL, for the use of your venue