



where science meets business Organised by the SCI Construction Materials Group



RECENT ADVANCES IN CONCRETE DURABILITY

25 April 2002



**SCI
14/15 Belgrave Square,
London, UK**

“Cover pictures show spalling of concrete at an incipient anode (above) and sea water induced degradation (below). Photographs courtesy of MG Associates Ltd (www.mg-assoc.co.uk)”

PROGRAMME

- 09.00 Registration and Coffee
- 09.40 Group Chairman's Welcome
Mr John Richardson, Colas UK Ltd, Crawley
- Session 1: Chairman - Dr Philip Nixon - Building Research Establishment, Garston, Nr. Watford, Hertfordshire**
- 09.45 Chairman's Address: "Service Life Prediction"
Dr Philip Nixon - Building Research Establishment, Garston, Nr. Watford, Hertfordshire
- 10:00 Ettringite-Thaumasite phase relations
Dr Donald McPhee - University of Aberdeen
- 10.30 Recent observations in sulphate attack of concrete
Dr Nora Crammond - Building Research Establishment, Garston, Nr. Watford, Hertfordshire
- 11.00 Coffee
- 11.30 Isotopic observations of concrete carbonation
Dr David Matthey - Royal Holloway College, London
- 12.00 Thermally controlled concrete degradation mechanisms
Dr Don Hobbs - British Cement Association (Retired), Crowthorne, Berkshire
- 12:30 Durability issues in glass fibre reinforced concrete
Dr Philip Purnell - University of Warwick
- 13:00 Discussion
- 13:15 Lunch
- Session 2: Chairman - Dr Bill Price - The British Cement Association, Nr. Crowthorne, Berkshire**
- 14:15 Modelling Chloride ingress in structural concrete
Prof Nick Buenfeld - Imperial College, London
- 14:45 Advances in corrosion inspection and monitoring of structural concrete
Dr Gareth John - CAPCIS - UMIST, Manchester
- 15:15 Tea
- 15:30 Rendering concrete immune to corrosion
Dr Gareth Glass - Fosroc Ltd, Tamworth, Staffordshire
- 16:00 Concrete porosity characterisation by visible light and SEM microscopy
Dr Martin Head - Imperial College, London
- 16:30 Chairman's Address "Advances in Concrete Durability"
Dr Bill Price - The British Cement Association, Nr. Crowthorne, Berkshire
- 17.15 Discussion
- 17.30 Close

AIMS OF THE CONFERENCE

This meeting presents new and possibly contentious observations, concerning the durability of structural concrete. Its target audience is both industrial and academic and seeks to provide a forum for timely reporting of new developments in this field. It will be of value to scientists and engineers in the industrial, academic and public sectors. A volume of extended abstracts will be provided for each attendee and there will be opportunity for informal discussion after the meeting.

CALL FOR POSTERS

A limited number of poster presentations can be accepted. Please send a one side A4 abstract to deborah.norcross@soci.org. The deadline for receipt of poster abstracts is 22 March 2002.

Please detach the slip below

Recent Advances in Concrete Durability

25 April 2002

FEE: Includes refreshments as stated in the programme.

Please tick appropriate box.

Non-members £95 SCI members £60

Non-member students .. £20 SCI students £15

Retired members £20 Please send SCI membership details

Mr/Mrs/Miss/Dr/Prof

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