

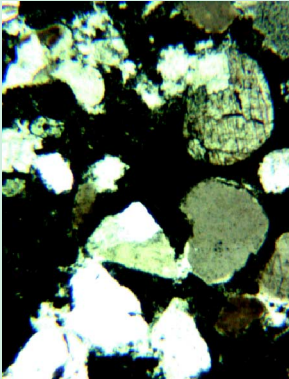


where science meets business

Organised by the SCI Construction Materials Group

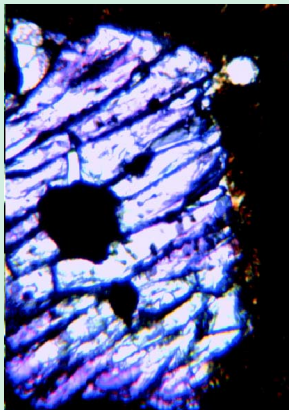
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Picture shows: Alkali activated slag concrete developed for landfill liner applications, containing aggregates of spent foundry sand (top) and chrome-alumina slag (bottom)



# CEMENTS IN WASTE MANAGEMENT

26 April 2001



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

Cements have been used as waste encapsulants and barrier materials for many years, the technology largely being developed for nuclear waste isolation. Renewed interest in waste processing has resulted in technology transfer from the nuclear to the non-nuclear waste arenas and this meeting is intended to help foster that exchange.

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# PROGRAMME

09.00 Registration and Coffee

09.40 **Group Chairman's Welcome**  
John Richardson, Colas UK Ltd, UK

## **SESSION ONE: Applications of cements to nuclear waste management**

09.45 **Chairman's welcome**  
Prof Alan Atkinson, Imperial College, UK

10.00 **Influence of cement chemistry on pollutant mobility**  
Prof Fred Glasser, University of Aberdeen, UK

10.30 **Engineering the chemical environment of the near field**  
Dr Andy Harris, AEA Nuclear Science, UK

11.00 Coffee

11.30 **Cementation technology for nuclear waste encapsulation**  
Mr Ed Butcher, British Nuclear Fuels, UK

12.00 **Cement Mineral Performance in waste management**  
Dr David Savage, Quintessa Ltd, UK

12.30 **Cement-groundwater-rock interactions: Implications for waste management**  
Dr Colin Hughes, University of Manchester, UK

13.00 Discussion

13.15 Lunch

## **SESSION TWO: Non-nuclear applications of cements in waste management**

14.15 **Chairman's address: The needs of the primary waste producers**  
Mr Alan Gibbon, MIRO, UK

14.30 **Novel composite landfill liners**  
Dr Peter Claisse, Coventry University, UK

15.00 **Stabilisation of cemented wastes and soils using *in situ* carbonation**  
Dr Colin Hills, University of Greenwich, UK

15.30 Tea

15.45 **Mechanisms controlling the mobility of metals in cement/waste mixes**  
Dr Annette Johnson, EAWAG, Switzerland

16.15 **"Anthropogenic Aggregates" Waste utilisation in concrete**  
Dr Rebecca Hooper, Building Research Establishment, UK

16.45 **Evolving regulatory perspectives - Cement and concrete in environmental protection**  
Dr Stephen Garvin, Building Research Establishment, UK

17.15 Discussion

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**Call for Posters:** A limited number of poster presentations can be accepted. Please contact [fiona.pibworth@soci.org](mailto:fiona.pibworth@soci.org) for further details.



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**REGISTRATION FORM**

**Cements in Waste Management**

26 April 2001, SCI, 14/15 Belgrave Square, London, UK



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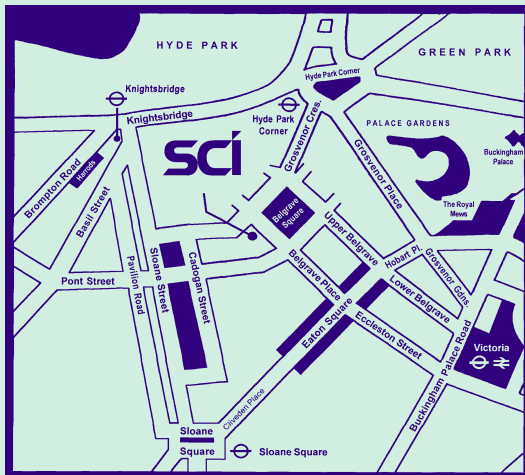
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