



## Toward Better and Greener Concrete

### Interactive Workshop & Consultation – March 2009

<p><b>March 16</b> <b>8:30am – 1:00pm</b> <b>Al Hosn University</b> <b>Abu Dhabi</b></p>	<p><b>March 18</b> <b>8:30am – 1:00pm</b> <b>American University in Dubai (AUD)</b> <b>Dubai</b></p>
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*Workshops are free and include a meal and other refreshments. See page 2 for details & RSVP info.*

Partially replacing Portland cement with supplementary cementing materials (SCMs) in concrete can bring substantial benefits in terms of performance and constructability in addition to significant improvement of the greenhouse gas (GHG) footprint of concrete. However, there are also potential pitfalls, such as lower setting time and longer curing requirements.

Increasing the amount of SCMs in concrete is a very effective GHG reduction strategy, in line with the growing concerns about climate change and the UAE's green building policies. But how much can be used - particularly when taking into account other important parameters of concrete construction such as: material availability, scheduling, costs, or strength and durability requirements?

To address these complex issues, EcoSmart, together with a large consortium, is developing a computer-based expert advisory system that will help to determine for a given project the optimal level of SCMs as well as the best engineering and construction practices to use.

This new "SCM Optimization System" - or "SOS" - will allow those involved in a concrete construction project – owners, designers, suppliers, and contractors – to understand the effects of varying the type and level of SCMs on the whole project and to decide on a best case optimum.

The first step is to ensure that the SOS responds to the needs of the construction industry and professionals ... so that it fits your needs!

Your input is critical to us so attendee discussion groups will follow the workshop presentations. We hope that you or a representative of your organization will be able to attend this half-day workshop that will provide the opportunity to:

- meet other industry experts involved in this leading-edge initiative
- hear about recent advances in supplementary cementing materials (SCMs)
- understand the concept behind the SOS project, and
- provide feedback on how SOS can best be made relevant to your practice.

Participants will be first to be offered access to the SOS software when it is ready for public release.

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## EcoSmart Interactive Workshop & Consultation

Space is limited – please confirm your attendance for either of the workshops listed below by contacting Clare of EcoSmart as soon as possible at:

Email: [clare@ecosmartconcrete.com](mailto:clare@ecosmartconcrete.com)

Tel: 050 698 4669

The workshops will commence with a light breakfast & conclude with lunch from 12:00-1:00pm. CPD certification available on request.

<b>Abu Dhabi Workshop</b>	<b>Dubai Workshop</b>
Monday, March 16	Wednesday, March 18
8:30am–1:00pm	8:30am-1:00pm
Conference Room Al Hosn University PO Box 38772 Abu Dhabi, UAE Tel: +97124070700	Conference Room C Building, Second Floor American University in Dubai PO Box 28282 Dubai, UAE Tel: +97143999000
Location:  Cut and paste into your browser:  <a href="http://maps.google.com/maps/ms?hl=en&amp;ie=UTF8&amp;msa=0&amp;ll=24.461057,54.379148&amp;spn=0.017266,0.027294&amp;z=15&amp;msid=104483684498192675012.00046372087d268f9bc65">http://maps.google.com/maps/ms?hl=en&amp;ie=UTF8&amp;msa=0&amp;ll=24.461057,54.379148&amp;spn=0.017266,0.027294&amp;z=15&amp;msid=104483684498192675012.00046372087d268f9bc65</a>	Location:  Cut and paste into your browser:  <a href="http://maps.google.com/maps/ms?hl=en&amp;ie=UTF8&amp;msa=0&amp;msid=104483684498192675012.00046371f2e5b831f8f36&amp;ll=25.086221,55.15553&amp;spn=0.017179,0.027294&amp;z=15">http://maps.google.com/maps/ms?hl=en&amp;ie=UTF8&amp;msa=0&amp;msid=104483684498192675012.00046371f2e5b831f8f36&amp;ll=25.086221,55.15553&amp;spn=0.017179,0.027294&amp;z=15</a>

If you would like to participate but are unable to attend either workshop, please contact EcoSmart – a web-based interactive workshop (webinar) is also being planned in the near future.



EcoSmart Emirates  
c/o American University in Dubai  
Engineering Building Room E320  
PO Box 28282  
Dubai, UAE  
Email: [info-UAE@ecosmartconcrete.com](mailto:info-UAE@ecosmartconcrete.com)  
Tel (Clare Read): 050 698 4669

SOS Project: [www.ecosmartconcrete.com/SOS](http://www.ecosmartconcrete.com/SOS)

EcoSmart Emirates Project: [www.ecosmartconcrete.com/UAE](http://www.ecosmartconcrete.com/UAE)