



## Cool Thermal Energy Storage In The Era Of Sustainability

This presentation will review the essentials of cool thermal energy storage (TES) and examine its relevance to sustainable design. Specific issues examined will include the impact of TES on site and source energy consumption, the economic case for TES without the incentives of the demand-side management (DSM) era and the role of TES in achieving net zero energy buildings and communities.



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Dr William Bahnfleth is Professor and Director of the Indoor Environment Center in the Department of Architectural Engineering at the Pennsylvania State University (Penn State) in University Park, PA.

His research interests cover a wide variety of indoor environmental control topics, including chilled water pumping systems, stratified thermal energy storage, and others. He is the author or co-author of more than 100 technical papers and 11 books and book chapters. He consults regularly on the design of chilled water thermal energy storage systems and has been involved in more than 20 projects world-wide.

Dr. Bahnfleth is a Fellow of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) and is currently Society Vice President. He is the recipient of a 1<sup>st</sup> place ASHRAE Technology Award, Transactions Paper Award, and Distinguished Service and Exceptional Service Awards.



### Details

**Date:** 7 Mar 2011

**Time:** 6.00 p.m to 9.00 p.m  
(Registration starts at 5.30 p.m)

**Venue:** Main Auditorium, BCA Academy

**Address:** BCA Academy of the Built Environment, 200 Braddell Road, Singapore 579700

**Fee:** S\$50 (per participant) & \$20 for ASHRAE Singapore Chapter members (Inclusive of GST)  
*(Fee includes light dinner. Carpark is free on a first-come, first-served basis)*

**Accreditation**  
Professional Engineers Board (PDU) points: Pending



## Registration Form – Cool Thermal Energy Storage In The Era Of Sustainability

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Register by email to [asc@ashrae.org.sg](mailto:asc@ashrae.org.sg) or fax (Fax No: **6490 6641**) before **28th February 2011**.

Application and cheques please mail to ASHRAE Singapore Chapter, c/o Hussmann Tempcool Building, 4th Floor, 121 Genting Lane, Singapore 349572

Professional Engineers Board (PDU) points: Pending

**For enquires on program and registration matters please contact:**

Mr Deepak Sawlani [Email: sawlani.deepak@gmail.com], ASC, or Mr Yong Siew Hwa [Email: yong\_siew\_hwa@bca.gov.sg], BCA.

### Registration Details

Name for Registration: \_\_\_\_\_

ASHRAE Membership No. : \_\_\_\_\_

ASC Membership No. : \_\_\_\_\_

PE Reg No. (for PDU) : \_\_\_\_\_

Please complete the following in full

Organization: \_\_\_\_\_

Designation : \_\_\_\_\_

Address : \_\_\_\_\_

Postal Code: \_\_\_\_\_

Telephone/Mobile No.: \_\_\_\_\_

Fax No. : \_\_\_\_\_

Email: \_\_\_\_\_

Signature: \_\_\_\_\_

Date : \_\_\_\_\_

If you are an invited guest, please state the name of organization who invited you:

Invited Guest of:

ASC: \_\_\_\_\_

BCA: \_\_\_\_\_