

TECHNICAL SEMINAR

Understanding aerogel: Exploiting its physical attributes for thermal and acoustic insulation in the industrial market

Aerogel is a solid derived from gel, in which the liquid component of the gel has been replaced with air to make it dry and porous. As over 90% of the volume is empty space, aerogel is the world's lightest solid material. It is also 1,000 times less dense than glass, making it the world's lowest density solid material. With its exceptional array of physical properties – both thermal and acoustic – aerogel holds incredible potential for insulation purposes.

The future of insulation materials for the industrial market could potentially be in aerogel. The seminar will explain the science behind aerogel and how its physical properties can be exploited to provide three key benefits, namely

- enhanced thermal insulation
- mitigation of corrosion under insulation
- savings in terms of overall weight reduction and cladding material

This seminar is recommended to all who are involved in the design and insulation of heating, ventilation and air-conditioning (HVAC) systems, especially in the industrial space.

Speaker Profile



TIAGO PAIVA E SILVA
Global Product Director
Armacell Group

After graduating from the Instituto Superior Técnico in Portugal with a Degree in Engineering and a Master in Chemical Engineering, Tiago started his career as a chemical engineer. Since joining Armacell in 2005, he has held various Sales and Marketing management roles and was responsible for the markets in Europe, the Middle East and Africa (EMEA). With over 16 years' of experience in the HVAC industry, Tiago uses his extensive knowledge of insulation to guide the regional product marketing teams to deliver market-oriented and innovative solutions around the world.

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Date: 19 September 2018 (Wednesday)
 Time: 6:30pm – 8:30pm (Registration starts 6:00pm)
 Venue: Grand Ballroom
 Singapore Polytechnic Graduates' Guild (SPGG)
 1010 Dover Road
 Singapore 139658 (Singapore Poly Gate No. 4)

Early Bird Registration (by 5 Sep 2018)	Regular Registration (after 5 Sep 2018)
Free for ASHRAE Singapore Chapter (ASC) members S\$15 for ASHRAE/IFMA/IES members S\$30 per participant (non-members)	Free for ASC members S\$30 for ASHRAE/IFMA/IES members S\$50 for non-members
<i>(1 Buffet Dinner will be provided)</i>	

Register by email to elta.ascsecretariat@gmail.com before 29 August 2018, with the required Registration Details below.

Please make the payment by issuing a cheque to ASHRAE Singapore Chapter, c/o 159 Sin Ming Road, AMTECH Building, Lobby 2 #07-02, Singapore 575625

Professional Engineers Board PDU Points: 1
 SCEM-PDU Points: 1

Registration Details

Name of Participant	ASHRAE Membership No.:	ASC Reg No.:	PE Reg No.:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Organization: <input type="text"/>	Designation: <input type="text"/>		
Mailing Address: <input type="text"/>			
<input type="text"/>			Postal Code <input type="text"/>
Telephone / Mobile No.: <input type="text"/>	Fax no.: <input type="text"/>		
Email: <input type="text"/>			

Signature

Date

Location



- Located at 1010 Dover Road (SP Gate 4)
- 10 mins walk from Dover MRT
- Bus Services to SPGG:
 - Bus Stop A: SBS 33 & SBS 196
 - Bus Stop B: SBS 96, 151, 183