

Organiser

Collaborating Organisation

Sponsor



Conference on Sustainable Building Materials Deploying Advanced & Nano Technologies

28 NOV 2019 | 09:30 - 17:30

Venue: Charles K Kao Auditorium
Hong Kong Science Park

Fee: Free of charge

Enquiry: ☎ 3994 8818

✉ rpe@hkgbc.org.hk

🌐 Full details & registration



Supporting Organisations



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Conference on Sustainable Building Materials Deploying Advanced & Nano Technologies

About the Conference

The emergence of advanced and nanotechnologies offers new opportunities for practitioners in the design, construction, operation and maintenance of buildings. Organised by the Hong Kong Green Building Council (HKGBC) and Nano and Advanced Materials Institute Ltd (NAMI) as the collaborating organisation, this conference features emerging and readily available technology enabled materials and products which enhance energy efficiency, resource efficiency, functionality, durability and indoor environmental quality for building sustainability.

Programme

09:30 - 10:00 **Registration**

10:00 - 10:05 **Welcome Speech**

Dr Ivan Sham

Director of Research & Development (Construction), NAMI

10:05 - 10:20 **Keynote**

Mrs Sylvia Lam, JP

Director of Architectural Services, HKSARG

Nanotechnology and Advanced Products and Applications for Energy and Resource Efficiency

10:20 - 10:40 **Rapid Repair Mortar Materials (R²M²) for Corroded Concrete Slabs**

Ir Dr Gary Chou

General Manager (Technical), Chun Wo Construction Holdings Company Limited

10:40 – 11:00 **High Performance Insulated Wall System**

Wilfred Lau

Managing Director, Palmeco

11:00 – 11:20 **Nano Phase Change Material to Enhance Efficiency and Thermal Comfort**

Dr Xiyao Zhang

Engineer, NAMI

11:20 – 11:50 **Networking Coffee Break**

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Construction Materials and Products for Enhanced Functionality, Durability and Sustainability

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- 11:50 - 12:10** **Anti-bacterial and Self-cleaning Vitreous Enamel Panels for Mass Transport and Healthcare Industries**
LG Chan
Senior Manager, Business Development, Program Contractors Ltd
- 12:10 - 12:30** **Germ-repellent Technology for a Smart Home**
Dr Terry Meng
Technical Manager, NAMI
- 12:30 - 12:50** **Growseal Nano-modified Waterproofing Coating for Versatile Applications**
Norman Chang
Director, Growtech
- 12:50 - 13:10** **High Performance Anti-stain Sealant for Durability**
Benson Yau
Director and General Manager, Master Proofer Company Ltd
- 13:10 - 13:30** **Polymer Aerogel Thermal Insulation for Buildings and Chilled Water Systems**
Dr Bin Xiao
Senior Engineer, NAMI
- 13:30 - 14:45** **Lunch**

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Nanotechnological and Advanced Products and Applications Enhancing Indoor Environmental Quality

- 14:45 - 15:05** **Multifunctional Air Filter for Improved Indoor Environmental Quality**
Eddie Fung
Executive Director, Eco Link Building Materials Ltd
- 15:05 - 15:25** **Anti-bacterial and Anti-dust Coating for Air Ducting for Excellent Indoor Air Quality**
Eric Wong
Engineer, Wo Lee Steel Co Ltd
- 15:25 - 15:45** **Microalgae Green Wall for Carbon Dioxide Absorption**
Thomas Tin
CEO, Greentins Technology Ltd
- 15:45 - 16:15** **Networking Coffee Break**

Innovation and Technologies Towards a Low Carbon Built Environment

- 16:15 - 16:35** **Green Procurement for Low Carbon Buildings**
Tony Ip
Director, Tony Ip Green Architects Ltd
- 16:35 - 16:55** **Innovation and Technology Integration in Building and Construction**
Andrew Young
Associate Director (Innovation), Sino Inno Lab
- 16:55 - 17:15** **Future Trends in Nanotechnology and Advanced Products and Applications**
Dr Ivan Sham
Director of Research & Development (Construction), NAMI
- 17:15 - 17:30** **Closing Remarks**
Ir Cary Chan, JP
Executive Director, Hong Kong Green Building Council
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