



SPT2021



26TH SINGAPORE SYMPOSIUM ON PAVEMENT TECHNOLOGY (SPT2021 e-Symposium)

Thursday 25 November 2021

2:00 pm to 5:30 pm (Singapore Time | UTC+8)

Organized by: Pavement Engineering Society (Singapore)
Centre for Transportation Research, National University of Singapore

Supported by:  Asian Pavement Engineering Society

Registration Details

Registration is free.

Registration Link:

https://nus-sg.zoom.us/meeting/register/tZ0tc-mvrDksEtBp8KY7fUb1KwQF_5yEt_nT

After registration, you will receive a confirmation email containing information on joining the e-Symposium.

QR code for
registration:



About the Symposium

The Pavement Engineering Society (Singapore) (PES) and the Centre for Transportation Research (CTR) of the National University of Singapore (NUS) are the joint organizers of this annual event. PES and CTR are non-profit organizations that have been actively promoting the advancement of pavement technology in road, airfield and other industrial applications. To promote interactions among fellow professionals in the pavement industry, there exists a need for an annual local forum on pavement technology in Singapore. Such a forum will disseminate useful information and increase the awareness of local professionals of new materials and technology already in use in other parts of the world. It will also provide an effective mechanism for exchange of ideas and a convenient platform for dialogue among pavement professionals from both private and public sectors. PES and CTR are pleased to jointly present this important SPT series, and we seek the support of all professionals from the road, airfield, port and building industries who are involved in pavement-related activities.

Symposium Objective

The objective of the annual symposium is to promote the advancement of technology in road, airfield and port pavement and industrial floor construction/management/maintenance in Singapore by providing an effective forum for presentation and discussion of new pavement technologies, and for exchange of ideas and experience.

Scope of Symposium

The symposium covers all aspects of practice and research on Planning, Design, Materials, Construction, Maintenance, Rehabilitation and Management of Pavement – including flexible pavements, rigid pavements and all other forms of pavement for roads, airfields, ports and industrial floors.

Symposium Programme

Time	Presentation
2:00 pm	Welcome and Opening Address Er Prof Fwa Tien Fang <i>President, Pavement Engineering Society (Singapore)</i> <i>Emeritus Professor, National University of Singapore</i> <i>Distinguished Professor, Chang'an University, China</i>
2:05 pm	Session 1: Innovation in Pavement Materials Moderated by: A/Prof Ong Ghim Ping Raymond <i>National University of Singapore</i>
2:10 pm	Decarbonisation & Sustainable Development for Bitumen & Asphalt Pavements Dr Vincent Guwe <i>Shell Eastern Petroleum (Singapore) Pte Ltd, Singapore</i>
2:30 pm	Development of Future Road Base Materials based on the Multi-Function Material Concept and the Sustainability A/Prof Peerapong Jitsangiam <i>Chiang Mai University, Thailand</i>
2:50 pm	Design and Evaluation of Plastic Pavements Using 3D Printing Technique A/Prof Liao Min Chih <i>National Taiwan University of Science and Technology, Taiwan</i>
3:10 pm	Application of Porous Asphalt in Wearing Course Dr Jia Lu <i>Kraton Polymers Singapore Pte Ltd, Singapore</i>
3:30 pm	Panel discussion
3:40 pm	Break
3:45 pm	Session 2: New Technologies for Pavement Engineering Moderated by: Dr Jia Lu <i>Kraton Polymers Singapore Pte Ltd, Singapore</i>
3:50 pm	Light Weight Deflectometer as Means for Pavement Construction Quality Control and Assurance A/Prof Ong Ghim Ping Raymond <i>National University of Singapore</i>
4:10 pm	Testing and Monitoring of Pavement Structural Health at Network Level in Singapore Dr Tan Jun Yew <i>Samwoh Innovation Centre, Singapore</i>
4:30 pm	Integrated Roughness Investigation system (IRIs) Charles Kohsikaporn <i>Roadbounce Global Pte Ltd, Singapore</i>
4:50 pm	Data Analysis and Visualisation for Pavement Management Dr Than Than Nyunt <i>Land Transport Authority, Singapore</i>
5:10 pm	Panel discussion
5:20 pm	Closing Remarks Dr Low Boon Hwee <i>Vice President, Pavement Engineering Society (Singapore)</i> <i>Highway International Private Limited</i>
5:30 pm	End of Symposium