

EVENT AGENDA



Smart Pavements
Australia Research
Collaboration

Location: Guimarães, Portugal

Date: 06th Sept 2022

Time: 10.00 to 12.45

Event: SPARC Workshop at ISIC conference

Intelligent Construction of Flexible Pavements – Recent Theoretical and Technological Advancements in Australia

10:00 – 10:05	Introduction to SPARC Hub and the format of the workshop	Jayantha Kodikara
10:05 – 10:35	Relevance of unsaturated soil mechanics to unbound pavement performance and new and more practical approach to testing and design Q & A 5 minutes	Jayantha Kodikara
10:40 – 11:55	Proximal measurement technique for pavement material density and other properties in real-time during compaction Q & A 5 minutes	Amir Tophel
11:00 – 11:15	Proximal measurement of pavement material moisture content in real-time during compaction Q & A 5 minutes	Mai Nguyen
11:20– 11.45	Advancement of pavement design for practical use incorporating climatic effects for unbound granular pavements with thin seal Q & A 5 minutes	Chathuri MahaMadakalapuge

SPARC Hub Headquarters

📍 71 Normanby Rd, Notting Hill VIC 3168

✉ sparc.hub@monash.edu ☎ +61 3 990 50875 🌐 www.sparchub.org.au

11:50 – 12:05	Light Weight Deflectometer (LWD) as a QA/QC tool for pavement compaction – addressing the effect of variability in the material moisture content and properties Q & A 5 minutes	Jayantha Kodikara
12:10 – 12:35	The limitations of IC technology in asphalt pavement compaction and proposed potential ways to overcome these limitations	Suthakaran Sivagnanasuntharam
12:35 – 12:45	Q&A session	