

**Accepted abstracts**

[**Accepted abstracts for the 2020 Conference**](https://www.ljmu.ac.uk/~/media/files/ljmu/about-us/events/asphalt-conference/asphalt-conference-accepted-abstracts-2019.pdf?la=en)

Up to 30 January 2020- A list of the accepted abstracts for the 2020 Pavement Engineering, Highways, Airports, Asphalt and Infrastructure Conference.

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**List of accepted abstracts (as on 30/01/2020)**

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| SL | Paper title | Author/s |
| 1 | **International Developments In Bitumen Technologies** | **Gary Schofield (Total Bitumen) - UK** |
| 2 | **The New British Standard For Spray Injection Patching** | **Dominic Gardner (Velocity) – UK** |
| 3 | **Asphalt Preservation – Evidence of Performance and Case Studies** | **Phi Eadon (ASI Solutions)** – UK |
| 4 | **Using SCANNER to Identify Sites For Treatment** | **Andy Stevenson (WDM)** – UK |
| 5 | **Warm Mix Asphalt – Updates and Case Studies** | **Rick Ashton (Total Bitumen)** – UK |
| 6 | **Keeping Green Roads In Green Condition** | **Professor Howard Robinson (ASI Solutions)** – UK |
| 7 | **Combined Surface Treatment For More Durable Roads** | **John Richardson (Colas Ltd) - UK** |
| 8 | **New High Value & Environmentally Friendly Road Pavements** | **Professor Hassan Al Nageim ( LJMU) - UK** |
| 9 | **Knowledge Discovery in Databases and Pavement Management System Integration Framework** | Mostafa A. Abo-Hashema and Osama Al-Batanony, **Faculty of Engineering, Fayoum University (Egypt**) |
| 10 | **Development of Oman Performance Grade Paving Map for Superpave Asphalt Mix Design** | Mostafa A. Abo-Hashema, Ragab M. Mousa, Samiha Abdulrahim Al-Zedjali, Qais Abdullah Al Balushi, Mohamed Metwally, and Majid Hamood Al-Rashdi , **Faculty of Engineering, Fayoum University (Egypt**) |
| 11 | **Determination of Mechanical Properties of combi-layer, a Porous Asphalt Filled With Cement Slurry** | Amir Kavussi and Zahra Mir Azizi, , Tarbiat Modares University, Tehran (**Iran**) |
| 12 | **Impacts of Low-Density Polyethylene (Plastic Shopping Bags) on Structural Strength and Permeability of HMA Pavements** | Chayanon Boonyuid and Shohel Amin, **Coventry University** (**UK**) |
| 13 | **Rutting Modelling: A quantitative study using the Neural Probabilistic on asphalt pavements in the West Midlands** | Margaret Ajakaiye and Shohel Amin, **Coventry University (UK)** |
| 14 | Simulation Of The Influence Of Surface Free Energy On Moisture Damage Of Recycled Asphalt Concrete | Saad Issa Sarsam, Rana Khalid Hamdan, **University of Baghdad (Iraq**) |
| 15 | **Detecting Microcrack Healing in Asphalt Concrete with the aid of Nondestructive Testing NDT** | Saad Issa Sarsam and Nazar Sajad Kadium, **University of Baghdad (Iraq)** |
| 16 | **Reflective cracking in Inverted Pavements; findings from simulative laboratory tests** | Imtiaz Ahmed , Nick Thom , Bilal Ahmed Zaidi , Andrew Dawson, **Nottingham Transportation Engineering Centre (NTEC), University of Nottingham (UK)** |
| 17 | **Climatic Changes and Geomorphologic Thresholds in Mountain Roads Surface and Asphalt for Index making** | Ebrahim Moghimi, **University of Tehran (Iran)** |
| 18 | **Evaluation of the Properties of Asphalt Concrete Modified With Crumb Rubber Using Marshall Test** | Olumide M. Ogundipe, Omotola C. Aboloye and Stephen O. Fatuase, **Ekiti State University (Nigeria)** |
| 19 | **Latest developments in S.I.P. and how these can assist the road maintenance industry** | Liam McNamee, **Archway Products Ltd**  **(Ireland)** |
| 20 | **Effects of Aggregate Shape Parameters on Workability and Shear Behaviour of Asphalt Mixes** | Dharamveer Singh, Bharat Rajan and Henok Gadissa, **Indian Institute of Technology Bombay** (**India**) |
| 21 | Characterization Of Seasonal Variations On Airport Pavement Layer Responses Using In-Situ Measurements | Richard Y. Ji, P.E., Ph.D, **Federal Aviation Administration, Atlantic City International Airport, NJ** (**USA**) |
| 22 | **Laboratory investigation of reflective cracking on preventive asphaltic overlays** | Mahmood khadem, Ali Moniri, Hamidreza Sahebzamani, Yaghubali Khosravi, **Rahbord Taradod Pars Consulting Engineers (RTP),** |
| 23 | **Rheological And Chemical Properties Of Bio-Oil Modified Bitumen From Sugarcane Bagasse Industrial Waste** | Malik Farooq Ahmad, Syed Bilal Ahmed Zaidi, Naveed Ahmad and Ayyaz Fareed**, University of Engineering and Technology Taxila,** (**Pakistan**) |
| 24 | **Modernisation of the Design Manual for Roads and Bridges (DMRB) Volume 7, Pavement Design & Maintenance** | Dave Gershkoff (TRL), Martin Greene (TRL), Matt Wayman (Highways England), Peter Langdale (TRL) and Arash Khojinian **(Highways England), (UK)** |
| 25 | **Effect of Calcium Carbide Residue and Cellulose Fibers on Performance Evaluation of Cold Asphalt Emulsion Mixes** | Anmar Dulaimi, Hayder Shanbara, Shakir Al-Busaltan, **LJMU, Al Muthanna University and Kerbala University- Iraq** |
| 26 | **Ravelling resistance of UK thin asphalt surface course systems under a large-scale accelerated test method** | Giacomo D’Angelo, Chibuzor Ojum, Iswandaru Widyatmoko, Matthew Wayman, Arash Khojinian, **AECOM,**  **Highways England, UK** |
| 27 | **The Business Case for Extending Service Life of Asphalt Surfacings using Hydrated Lime** | Rebecca Hooper, Mineral Products Association, Richard Givens, Tarmac Lime and Powders, Mike Haynes, Lhoist UK, Darren Scutt, Singleton Birch, **UK** |
| 28 | **Bituminous Binders Extended With A Renewable Plant-Based Oil: Towards A Carbon Neutral Bitumen** | Xiaohu Lu, Carl Robertus, Jenny-Ann Östlund, Nynas AB, SE-149 82 Nynäshamn, **Sweden** |
| 29 | **Functional Condition Evaluation Of Airfield Pavements Using Automated Road Survey System – A Case Study of Rajahmundry Airport** | Pradeep Kumar, Madhavendra Sharma, R. K. Srivastava, Sampath Kumar Pasupunuri, **New Delhi India** |
| 30 | **Machine-based Semi-Automated Pavement Distress Survey (Airports)**. | Peter Wallace ,Lancashire, **UK** |
| 31 | **Asset Management in Action World Premiere Portsmouth**  **PFI ISO 55001 Certified** | Shine Salur, Asset Manager for Colas Group, Colas Limited, **UK- France** |