



## CALL FOR PAPERS

### 18<sup>th</sup> Annual International Conference on

Pavement Engineering, Asphalt Technology, and Infrastructure

Wednesday 27<sup>st</sup> and Thursday 28<sup>nd</sup> February 2019, Liverpool, UK

#### Supported by:

RSTA ♦ Colas Ltd ♦ Total Bitumen ♦ ASI Solutions ♦ WJ Group ♦ Asphalt Reinforcement Services ♦ Velocity UK ♦ Highways England ♦ The Chartered Institution of Highways and Transportation (CIHT) ♦ The Institution of Asphalt Technology (IAT) ♦ The Institution of Civil Engineers (ICE)

#### LJMU 2019 CONFERENCE AIMS AND TOPICS

The Department of Civil Engineering at Liverpool John Moores University in association with The Road Surface Treatments Association (RSTA) and Colas Ltd is hosting its 18th Annual International Conference addressing: pavement engineering, asphalt technology and infrastructure. The conference is a continuation of the successful annual event hosted by LJMU since 2001 that has attracted large numbers of speakers from the industry and academia, delegates and exhibitors from the UK, Europe, Middle East, USA, South America, Australia and the Far East. It is aimed at stakeholders with specific interest in the; development, construction and management of asphalt technology, sustainable infrastructure, environmental protection, materials technology, pavement and infrastructure structural design and evaluations, IT in pavements, asphalt and infrastructure, energy reduction, aggregate recycling initiatives, airport and highways design and maintenance. The conference will be of interest to; policy advisors, environmental regulators, infrastructure clients, specifiers, planners, designers, research centres, academia, local authorities, highway related consultants and designers, materials suppliers, construction companies, contractors and educational institutions.

**PAPERS are invited on topics above.** Contributions are especially welcomed from clients, specifiers, regulators, local authorities, consultants, contractors, Laboratory and site testing equipment suppliers, materials suppliers, research and educational organisations/institutions. The conference will provide a unique setting within which to share and explore new ideas and to review innovations in the practical application of sustainable construction materials and techniques in pavement engineering and highways maintenance. It will consider materials technology, manufacturing techniques and end product characteristics that satisfy ever more demanding design, structural and environmental requirements.

**WHO SHOULD ATTEND:** The conference will be of interest to; policy advisors, environmental regulators, equipment suppliers, testing laboratories, materials suppliers, infrastructure clients, specifiers, planners, designers, and local authorities. Highway road and airport engineers and clients, construction companies, contractors, academic, consultants, researchers and educational institutions.

## CONFERENCE TOPICS INCLUDE:

Materials technology	Primary/secondary aggregates, binders, bitumen emulsion, cold/hot mix asphalt, recycling, hydraulically bound materials, cement, concrete and SMART materials
Testing techniques	Including destructive and non-destructive tests
Manufacturing processes	Latest developments in cement, bitumen binders, additives, asphalt and concrete pavement production
Construction techniques	Latest developments in construction plant and processes
IT developments	Addressing pavement design, evaluation, construction, management, pavement related environmental issues, maintenance and pavement performance
Waste Materials	Innovations in waste reduction, re-use, planning, management and environmental issues
Government policy	Reviewing regulation of relevant waste streams and secondary materials
Utilisation	Alternative sources of secondary, waste, recycled and manufactured materials
Asphalt and concrete pavement technology	Innovations in design, analysis, management and rehabilitation
Composite pavement technology	Innovations in design, analysis, management and repair
Highway pavements, design and maintenance	Innovations and practice in design, rehabilitations and maintenance including road surface treatments
Road base materials	Innovations in design, developments and constructions
Highways and road bridges	Innovations in design, maintenance and constructions



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### Submission of Papers:

Speakers are invited to submit their papers for publication in the conference proceedings and presentation at the conference according to the following deadlines:

- ✓ **Submission of abstract:** 12 January 2019
- ✓ **Submission of full paper:** 18 January 2019
- ✓ **Editorial response from reviewers:** 20 January 2019

Please submit a short abstract (200–250 words) to Evangelia email [E.Manola@ljmu.ac.uk](mailto:E.Manola@ljmu.ac.uk) and Prof Hassan Al Nageim: [H.K.Alnageim@ljmu.ac.uk](mailto:H.K.Alnageim@ljmu.ac.uk)

The length of the paper is limited to 18 pages.  
The conference is usually well attended with typically more than 100 delegates and 10-17 Exhibitors from UK and overseas. Due to limited spaces, please complete your registration as soon as possible.

**For Online Registration:** please use the link <https://buyonline.ljmu.ac.uk/conferences-and-events/ljmu/conferences/pavement-conference-2019>. Please contact the Organising Committee if you are unable to pay online

**Fees:** Speaker/delegate/exhibitor fee information;  
Speaker (two day) £275, Speaker (one day) £200  
Delegate (two day) £290, Delegate (one day) £200  
Exhibitor (two day) £300  
\*additional delegate/speaker from same organisation (two day) £200  
\*additional delegate/speaker from same organisation (one day) £150  
\*additional member with the main exhibitor £100.

**Discounted rate:** Early bird registration fees before 18<sup>th</sup> January 2019 are offered at a 10% discounted rate. RSTA, CIHT, IAT, IHE, ICE members will benefit from a reduced registration fee of 15%.

### Keynote speakers:

**Dominic Gardner (Velocity)**- The new British Standard for Spray Injection Patching

**Steve McGilchrist (WJ Group)** - Latest Developments with High Friction Surfacing

**Howard Cooke (Asphalt Reinforcement Services)** - Industry Progress with Geosynthetics & Steel Meshes

**Nassera Thompson (Highways England)** - Updates on the DMRB and MCHW 900 Series

**Gary Schofield (Total Bitumen)** - Developments in deterioration modelling in asphalt

**Rick Ashton (Total Bitumen)** - New Developments in Polymer Modified Bitumens

**Professor Howard Robinson (ASI Solutions)**- UK Developments in Asphalt Preservation Including Case Studies

**Professor Hassan Al Nageim (LJMU)**- Fast Curing Cold Mix Asphalt For Road Surfacing Using Eco-Environmentally Friendly New Cement-less Powder

### Publications:

The papers will be reviewed by the Conference Scientific and Technical Board and published in the Conference Proceedings. Selected papers will also be refereed and published in a special issue of the International Journal of Pavement Engineering & Asphalt technology, ISSN 1464-8164.

The event will also provide a useful networking arena enabling delegates to make new national and international contacts, to be brought up to speed with latest industry developments and bridge the gap between the various parties.

For more information on the conference and fees, please visit our website: <https://www.ljmu.ac.uk/asphalt-pavement-conference>, or contact the Conference Director Professor Hassan Al Nageim, Email: [h.k.alnageim@ljmu.ac.uk](mailto:h.k.alnageim@ljmu.ac.uk) or Dr Anmar Dulaimi, Email: [a.f.dulaimi@ljmu.ac.uk](mailto:a.f.dulaimi@ljmu.ac.uk) or Manar Herez, Email: [M.H.Herez@2016.ljmu.ac.uk](mailto:M.H.Herez@2016.ljmu.ac.uk) Tel: +44 (0) 151 231 2811



**LIVERPOOL**, Underwent a renaissance in 2008 when it was crowned the European capital of culture. New boutique hotels sprang up and stylish bars opened and a fabulous £1billion shopping centre Liverpool ONE was built. Delegates coming to Liverpool find a city that is cosmopolitan and exciting. Since 2004 it has been an UNESCO World Heritage site, an accolade awarded for its historic Waterfront area around the Albert Dock and the City's magnificent Cultural Quarter and it is officially the "World Capital of Pop". Merseyside's musical traditions are as famous as its maritime ones from the dank cellar of the Cavern, bands established themselves only to spread around the world, bands such as Gerry and the Pacemakers and The Searchers to name two, but one in particular stands out, The Beatles played their debut in 1961 and appeared another 272 times at The Cavern.

From the Liver Building to St John's Beacon, Liverpool's landmarks add drama and distinction to the city. The "Three Graces" - the Liver Building, Cunard Building and Port of Liverpool Building form one of the most instantly recognisable and breath-taking examples of waterfront architecture in the world.

The City has a mighty sporting heritage with two extremely competitive Premier League football clubs. Our World Class cultural offerings include Tate Liverpool and the Royal Liverpool Philharmonic Orchestra and a new addition is the state of the art Museum of Liverpool which opened in spring 2011 and has focused on Liverpool's worldwide influence on world history and culture.

