

21<sup>ST</sup> ANNUAL CONFERENCE

# Highways and Airport Pavement Engineering, Asphalt Technology and Infrastructure

28-29 FEBRUARY 2024 | LIVERPOOL, UK



Call for papers & registration

Supported by



About the Conference

# Aims & Topics

The School of Civil Engineering & Built Environment at Liverpool John Moores University (LJMU), in association with ASI Solutions and Colas Ltd, is hosting its 21<sup>st</sup> Annual International Conference addressing Highways and Airport 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, the Middle East, USA, South America, Australia and the Far East.

It is aimed at stakeholders with specific interest in:

- developments in asphalt and bitumen technology
- sustainable infrastructure
- environmental protection
- construction materials
- IT in pavements, asphalt & infrastructure
- energy reduction
- aggregate recycling initiatives
- airport and highways design & maintenance
- road surface treatments.

The conference will be of interest to:

- policy advisors
- environmental regulators
- infrastructure clients
- research centres, academia, local authorities
- specifiers, planners and designers
- airports pavement and highway related consultants, engineers and designers
- materials suppliers, construction companies, contractors and educational institutions.

## Important Deadlines

### Submission of papers

Submission of abstract:	10 December 2023
Submission of full paper:	18 December 2023
Final acceptance for full paper:	20 December 2023

Please submit a short abstract (200–250 words) to:

- Prof Hassan Al Nageim (h.k.alnageim@ljmu.ac.uk)
- Dr Yangming Gao (y.gao@ljmu.ac.uk) and
- Dr Anmar Dulaimi (a.f.dulaimi@ljmu.ac.uk)

The length of the paper is limited to 18 pages.

Please see instructions for authors on our website:

<https://www.ljmu.ac.uk/asphalt-pavement-conference>



# Conference Topics for Papers



Papers are invited on the conference topics below.

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 roads and highways pavement engineering, airport pavement and maintenance/management of airport, roads and highways pavements. It will consider materials technology, manufacturing techniques and product characteristics that satisfy ever more demanding design, structural and environmental requirements.

## Highway pavements, design performance and maintenance

Innovations and practice in design, rehabilitations and maintenance including road surface treatments

## Testing techniques

Including destructive and non-destructive tests

## Manufacturing processes

Latest developments in cement, bitumen binders, additives, asphalt and concrete pavement production

## Construction and mixing technology

Latest developments on construction sites and plant productions

## 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

## Materials technology

Primary/secondary aggregates, binders, bitumen emulsion, cold/hot mix asphalt, recycling, hydraulically bound materials, cement, concrete and SMART materials

## Road base materials

Innovations in design, developments and construction

## Highways and road bridges

Innovations in design, maintenance and construction

## Airfield pavement design, soil bearing capacity, materials, performance and maintenance

Asphalt pavement, concrete pavement, and composite pavement - innovations and practice in design, rehabilitations, and maintenance, including airport runway surface treatments.

# Publication & registration

The papers will be reviewed by the Conference Scientific and Technical Board and published in the Conference Proceedings. The selected Top 15 papers will also be published in 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 the latest industry developments and bridge the gap between the various parties.

For more information on the conference please visit our website [here](#) or contact the Conference Director:

Professor Hassan Al Nageim

✉ [h.k.alnageim@ljmu.ac.uk](mailto:h.k.alnageim@ljmu.ac.uk)

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## Registration and fees

The conference is usually well attended with typically more than 100 delegates and 10 to 17 exhibitors from the UK and overseas. Due to limited spaces, please complete your registration as soon as possible. You can register online [here](#)

FEES	1 DAY	2 DAYS
Speaker	£250	£295
Delegate	£250	£295
Exhibitor		£300
Additional delegate/speaker from the same organisation	£150	£200
Additional member with the main exhibitor		£100

10% discount applicable on registration fees for members or employees of the following organisations: RSTA, CIHT, IAT, IHE and ICE.

## Keynote Speakers

**Rory O'Connor (RSTA), UK**

Sustainable and Efficient Surface Treatments for Effective Highway Asset Management

**Richard Ashton (Total Energies), UK**

Polymer Modified Binders and their Role in Asset Management

**Andy Jones (Stabilised Pavements), UK**

Latest Developments on Pavement Recycling

**Howard Robinson (ASI Solutions) and Gavin**

**Blogg (Velocity), UK**

Reducing Carbon and Maintenance Costs by Using Asphalt Preservation

**Hassan Al Nageim (LJMU), UK**

Cold Mix Asphalt Research Trial Outcomes in Blackburn and Blackpool

**Gary Schofield (Total Energies), UK**

Latest Developments on Bitumen Emulsion Technology and Applications

**John Martin (Asphalt Grid Systems), UK**

Updates on the Application of Geosynthetics for Longer Life Asphalt



# Welcome to Liverpool



## Our City

Liverpool underwent a renaissance in 2008 when it was crowned the European Capital of Culture. New boutique hotels sprang up along with the opening of stylish bars and the building of a fabulous £1bn shopping centre, Liverpool One.

Delegates coming to Liverpool find a city that is cosmopolitan and exciting 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 have established themselves only to spread around the world. Bands such as Gerry and the Pacemakers, the Searchers to name but two. But one band in particular stands out - the Beatles played their debut there in 1961 and went on to appear 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 in the form of Liverpool and Everton. Our world-class cultural offerings include the Tate Liverpool museum and the Royal Liverpool Philharmonic Orchestra. 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.

