



**11<sup>th</sup> Annual International Conference on**  
**PAVEMENT ENGINEERING AND INFRASTRUCTURE**  
**February 15-16, 2012, Britannia Adelphi Hotel, Liverpool, UK**

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**CONFERENCE PROGRAMME**

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**DAY 1 – Wednesday 15<sup>th</sup> FEBRUARY 2012**

**Venue: BRITANNIA ADELPHI HOTEL, LIVERPOOL L3 5UL, UK**

**08:30 Registration, refreshment and exhibition**

09:15 Welcome by the Conference Chairman, Professor Howard Robinson, Road Surface Treatments Association, UK

09:20 Opening Address, Professor Nigel Weatherill, Vice Chancellor, Liverpool John Moores University, UK

**Morning Programme**

**Session 1, Chairman: Professor Howard Robinson**

09:25 Paul Philips, Aggregate Industries, UK "Use of roller compacted concrete in pavement structural layers".

09:50 Tony Zigler, Hanson Aggregates, UK "Developments in warm mix asphalt".

10:15 Jochen Troeger, Colas, UK "Developments in road recycling".

10:40 Dennis Day, Nynas Bitumen, UK "Developments in cold mix asphalt".

**11:05 Questions & Discussion**

**11:10 Refreshments and Exhibition**

**Session 2,**

11:40 Monower Sadique LCMT, LJMU, UK "New novel cementitious material for construction".

11:55 Steve Kent, ADEPT, UK "Highways maintenance efficiency programme".

12:20 Slyvie Zucco, Total France "The French experiences of the warm asphalt mixes technology with a "ready to use" bitumen".

**12:45 Questions & Discussion**

**12:55 Lunch and Exhibition**



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**Venue: BRITANNIA ADELPHI HOTEL, LIVERPOOL, UK**

**Afternoon Programme**

**Session 3, Chairman: Professor Robert Gossling, Lafarge, UK**

- 14:00 Andy Bailey, Department for Transport (DfT), UK "Road winter maintenance strategies".
- 14:25 Andrew Warrington, Nottinghamshire County Council, UK "Practical development of a low carbon approach to highway maintenance"
- 14:50 Paul Edwards, Lafarge Aggregate, UK "Developments in sustainable technologies".

**15:15 Questions & Discussion**

**15:25 Refreshments and Exhibition**

**Session 4, Chairman: Dr. Lindon Sear, UK Quality Ash Association**

- 16:00 Shakir Al-Busaltan LCMT, LJMU, UK "New novel cold mix asphalt for road surfacing"
- 16:15 Mumtaz Ahmed Kamal, Pakistan " Evaluating rutting resistance of different asphalt mixes subjected to varying environmental conditions".
- 16:30 James Rombi, University of Cagliari, Italy " Monitoring the performances in real working conditions of c & d waste materials in road construction using embedded instruments".
- 16:45 Paul Acock, ASI, UK "Developments in asphalt preservation".
- 17:10 **Questions and Closing Remarks by the Conference Director Professor Hassan Al-Nageim, Liverpool John Moores University**

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**DAY 2 – Thursday 16<sup>th</sup> February 2012**

**Venue: Britannia Adelphi Hotel, Liverpool, UK**

**08:00–08:45 Registration, refreshment and exhibition**

**Morning Programme**

**Session 1, Chairman: Professor Ian D Walsh - Road Consultants Ltd UK**

- 08:45 Alessandro Marradi, Dynatest, Denmark “ Automatic detection and analysis of surface distresses using a multi functional vehicle”.
- 09:00 Dr. Najim A. Saad, Dr. Mohammed Al Mamori, Babylon University, Iraq “ The use of iron fillings to produce excess bricks glazed high-resistance in pavement engineering”
- 09:15 Mohammad Reza Ahadi, Transportation Research Institute, Iran” Effect of aggregate gradation on increasing skid resistance of asphalt pavement surfaces”.
- 09:30 Taher Baghaee, University of Malaya, Malaysia “ Mechanical properties of PET-reinforced asphalt mixture”.
- 09:45 **Questions & Discussion**
- 10:00 **Refreshments and Exhibition**

**Session 2, Chairman: Dr.Rajan Choudhary, Indian Institute of Technology, India**

- 10:45 Dagmara Janicka, Thames Water, UK “ Thames water manhole cover archive research project”.
- 11:00 Al-Hdabi, Abbas, LCMT,LJMU, UK “ Development of a new cold rolled asphalt”
- 11:15 Amir Kavussi, Tarbiat Modares University, Iran “ Optimum aggregates skeleton to resist rutting in stone mastic asphalt mixes”.
- 11:30 David Hogan, University College Dublin, Ireland “ On site recycling Irish experience”.
- 11:45 **Questions & Discussion**
- 12:00 **Lunch and Exhibition**



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**Venue: Britannia Adelphi Hotel, Liverpool, UK**

**Afternoon Programme**

**Session 3, Chairman: Dr. Amir Kavussi, Tarbiat Modares University, Iran**

- 13:00 Alan R Woodside, University of Ulster, UK “The effect of road surfaces on internal and external vehicle noise”
- 13:15 Guan Long, LCMT, LJMU, UK “ Performance of upgraded rubberised asphalt mix”
- 13:30 Mohammed Kadhum & Dhirgham Al-khafaji, Babylon University, Iraq” Effect of Dynamic Load: Impact of Missile on Mechanical Behaviour of Ferrocement – Infrastructure Application”
- 13:45 Ankit Gupta, Indian Institute of Technology, Roorkee, India “Functional performance analysis of low volume roads”.
- 14:00 **Questions & Discussion**
- 14:15 **Refreshments and Exhibition**

**Session 4, Chairman: Dr. Mumtaz Ahmed Kamal, Pakistan**

- 14:30 Yongjoo Kim & Lee Jaejun, Korea Institute of Construction Technology, S. Korea “ Evaluation of Warm-Mix Asphalt Mixtures using LEADCAP Additive”
- 14:45 Mohammed Ateeq, LCMT, UK “Upgrading waste rubber aggregate for use in pavement”.
- 15:00 Adnan Qadir, NED University, Pakistan “ Effects of air voids on low temperature fracture strength of asphalt concrete”.
- 15:15 Rajan Choudhary, Indian Institute of Technology, Guwahati, India “ Effect of mixing and compaction temperatures on HMA with WMA additives”.
- 15:30 **Questions & Discussion**
- 15:35 **Refreshments and Exhibition**

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**Session 5, Chairman: Andy Bailey, Department for Transport (DfT), UK**

- 16:00 Amit Goel, JUIT, India "Usage of rubber in pavement construction and its performance".
- 16:15 Ra'id R. A. Al-Muhanna, Kerbala University, Iraq " Destructive Effect Of Full-Trailers On Rigid Pavement: Axle Load Redistribution On Upgrades".
- 16:30 Mohammad Reza Ahadi, Transportation Research Institute, Iran" Laboratory Evaluation of RCCP under Freeze -Thaw Conditions".

**Session 6, Chairman: Dr. Mohammad Reza Ahadi, Transportation Research Institute, Iran**

- 16:45 Shakir Al-Busaltan LCMT, LJMU, UK "Durability characteristics of a new Cold Bituminous Emulsion Mixtures, CBEM's"
- 17:00 S. Portas, University of Cagliari, Italy "Chemical evaluation of construction and demolition waste materials as an alternative aggregate for road embankments"
- 17.15 Lindon Sear, UK Quality Ash Association, UK "An overview of regulated dangerous substances in the future and their effect on the construction industry".
- 17.30 **Questions, Discussion & Closing Remarks by Professor Hassan Al Nageim, Liverpool John Moores University**

**ADDITIONAL PROPOSED PAPERS TO BE PUBLISHED IN THE CONFERENCE PROCEEDINGS**

Papers Reviewed by the Conference Technical Board and proposed for publication in the Conference Proceeding unless the authors manage to get their travel requirements arranged before the 1<sup>st</sup> of February 2012.

1. Golazin Yadollahi, Hamid Sabbagh Mollahosseini, Ministry of Road and Transportation,Iran " Performance evaluation of CR/Vestenamer/PPA modified bitumen "
2. Majid Amoochi, Seyed Mehdi Abtahi, Sayyed Mahdi Hejazi, Hossein Sheikh Zeinoddin, Isfahan University of Technology, Iran " Fiber-Reinforced Steel-Slag Asphalt Concrete (FRSSAC),,
3. Gh. Behzadi, Islamic Azad University ,Iran " Determination of clay and silty-clay subgrade soil plastic parameters for asphalt deterioration prediction".
4. Niloofar Salemi, Kiachehr Behfarnia, Isfahan University of Technology ,Iran " An Experimental Study on Frost Resistance of Concrete Pavement Containing Nano-silica and Polypropylene Fiber".
5. Seyed Farhad Eftekhazadeh , Akbar Vatandoust, Transportation Research Institute , Iran, " Evaluation of the macrotecture of the pavements treated with microsurfacing".
6. Seyed Farhad Eftekhazadeh, Transportation Research Institute , Iran " Guidelines for paved shoulder design and construction".