



16 - 19 August 2015 - - - Sun City - South Africa - - →

Innovation for Quality and Value - www.capsa2015.co.za

13 July 2015

The 11th Conference on Asphalt Pavements for southern Africa (CAPSA 2015) that will be held from 16 – 19 August 2015 at Sun City, South Africa.

Close to 500 delegates, 30 sponsors and 50 exhibitors are expected to attend this prestigious conference. Held in southern Africa since 1969, CAPSA is acknowledged globally as a premier conference in the field of flexible pavement engineering. It will once again offer practitioners the opportunity to interact and to share their professional skills with colleagues from the subcontinent and abroad.

At the 10th CAPSA in 2011 sustainable practice in road construction was entrenched as an underpinning value set in road design and construction. Within this framework, CAPSA 2015, will explore innovative practice and advance its implementation in pavement engineering practice. The conference programme is structured around the following themes and topics which forms the basis of paper content and conference sessions.

1. Optimising structural design in new construction and rehabilitation
2. Up-to-date procurement practice for products and services to promote efficient, sustainable and innovative delivery;
3. The design of asphalt layers and spray seals to ensure efficient application and adequate performance;
4. Construction, practice and materials assessment for a high level of efficiency
5. Low volume surfaced roads to promote access and mobility in southern Africa

Master-Class on Bituminous Binder Rheology

To give impetus to the transition in South Africa to a performance grade specification framework **Dr John D'Angelo, a bitumen specialist from USA**, will present a Sabita sponsored Master Class on bituminous binder rheology on the second day of the conference. This will begin with fundamental considerations such as modelling binder behaviour, binder evaluation such as rheology test configurations, behaviour within and outside of the linear-viscous range and extending to the performance grading of binders.

The manner in which binder resistance to fatigue, viscous deformation, temperature fracture and consistency during handling and application should define the specification framework and associated test configurations, will be explained.

The Master Class will lead into a Panel Discussion on the following day, where Dr D'Angelo will be joined by other international binder experts including Drs Rowe (USA), Erkens (Netherlands) and Papagiannakis

ers:



Conference Secretariat: Scatterlings Conference & Events

Western Cape Regional Office: Cape Town

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(USA), to address pertinent questions about binder technology. In particular, the performance related test methods within realistic stress-strain environments, model development, ageing simulation and climatic considerations, will be explored in this interactive session.

Keynote speakers:

John A. D'Angelo

Chief Operating Officer, D'Angelo Consulting, LLC.

Dr. D'Angelo is the chief operating officer of a small consulting firm specializing in asphalt materials testing, pavement design, construction operations, construction quality assurance and pavement forensic analysis. Previously he worked for the US Federal Highway Administration for over 32 years.

He has worked in the areas of construction management, pavement design, materials testing, and quality control. He has also worked extensively in asphalt binders, mixture design, warm mix asphalt and recycling. Dr. D'Angelo was instrumental in the implementation and continued development of the Superpave Binder and mixture tests and specifications. He has published numerous papers on asphalt material testing and quality control. He is also a member of the Transportation Research Board, The Association of Asphalt Pavement Technologists, The Canadian Technical Asphalt Association, International Society for Asphalt Pavements and ASTM.

Dr Martyn Davies

CEO Frontier Advisory

Dr Martyn Davies is the CEO of Frontier Advisory - a leading research, strategy and advisory firm that specialises in emerging markets. He has advised a large number of multinational companies on their strategies in Africa and other emerging markets. Over his career, he has consulted for 1/3 of the top 100-listed firms on the JSE.

He is a Senior Fellow at the MasterCard Center for Inclusive Growth – a group comprising leading international economists which advises the top management of MasterCard on global macro-economic issues. He is also a member of MasterCard's Africa Knowledge Panel providing strategic advice to the Board of MasterCard.

Martyn has been ranked the # 1 analyst in South Africa in the "Other African Economies & Markets" category as awarded by the Financial Mail in its prestigious Annual Analysts of the Year awards. He was previously an advisor to the Organisation for Economic Cooperation & Development (OECD) for its Global Development Outlook project.



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Dr. Thierry Goger

Secretary General of FEHRL - Europe's National Road Research Centres

Thierry Goger has been appointed as Secretary General of FEHRL (Europe's National Road Research Centres) on 1st January 2014. Thierry is a scientist specialised in environmental impacts assessment. He obtained his PhD in chemistry, speciality "Treatment of Waste", from the National Institute of Applied Sciences (INSA). He worked during four years at the French National Research Institute for Transport and Safety (INRETS) as researcher on air pollution due to transport systems.

He was a very active member of the COST Action 350 "Integrated assessment of environmental impact of traffic and transport infrastructure" and the COST Action 356 "Towards the definition of a measurable environmentally sustainable transport (EST)" before integrating the COST Office on 1st January 2007.

Thierry was the the Science Officer for the Domain "Transport and Urban Development (TUD)". He coordinated and supervised several hundred of proposals and managed around 50 funded COST Actions in his Domain. Thierry collaborated with researchers and experts from different thematic, disciplines, and cultures.

Thierry also liaised often with the main European Platforms related to the Domain TUD as well as with the European Commission. He is actively involved in the development of roadmaps and strategic research agendas and programmes in the field of road and transport infrastructure. He coordinates also the responses from the scientific community in this field when funding opportunities occur, and he explores regularly new funding opportunities.

Thomas Moons

General Manager Sales and Operations Europe & Africa, Shell Bitumen

Thomas joined Bitumen in February 2015 as GM for Europe and South Africa. Prior to this Thomas held a number of strategic roles within Shell: Shell Aviation Sales Manager for Jet fuel in Europe, GM for Supply and Distribution based in Central and Eastern Europe and GM Marketing Lubricants for Indirect Channels. Thomas holds an Engineering Degree in Materials Science and an MBA from IMD, Lausanne.

Satellite meetings:

The following satellite meetings will take place during CAPSA15:

3rd International Symposium on Pavements and Environment - Sunday 16 August 2016

SANRAL South African Pavement Design Method Revision Workshop- Thursday 20 August 2015

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