



7TH SYMPOSIUM ON PAVEMENT SURFACE CHARACTERISTICS

SURF 2012

Smooth, Safe, Quiet & Sustainable Travel through Innovative Technologies

September 19-22, 2012 in Norfolk, Virginia, USA

Conference Announcement and Call for Papers

The World Road Association (PIARC) is organizing, in partnership with the American Association of State Highway and Transportation Officials (AASHTO), the Transportation Research Board (TRB), the Federal Highway Administration (FHWA), the Virginia Center for Transportation Innovation and Research (VCTIR) and the Center for Sustainable Transportation Infrastructure (CSTI) of the Virginia Tech Transportation Institute (VTTI), the 7th *Symposium on Pavement Surface Characteristics* in September 2012 in Norfolk, VA.

The Symposium will include: (1) sessions based on this formal call for abstracts and papers, with peer-reviews by the scientific committee, (2) technology updates by equipment and data service providers, (3) panel discussions to identify emerging issues, research problems, and educational needs, (4) optional technical visits, and (5) an exhibition.

Audience: The conference will bring together a broad audience, including pavement/infrastructure managers, companies that provide services for collecting and analyzing pavement condition data (equipment manufacturers/ data collectors), and researchers/ specialists on surface characteristics from around the world.

Areas targeted

1. State-of-the-art of the scientific knowledge in the area of measuring surface characteristics (smoothness, texture/drainage/ friction, rutting, distress, visibility, noise , rolling resistance, & splash/spray)
2. Latest technological developments and equipment for the collection of data for both highways & airfields, including existing vehicle instrumentation and communications.
3. Strategies for data collection, including cost, coverage, frequency, outsourcing, etc.
4. Quality control and statistical validation of data
5. Interpretation of surface characteristics
6. Latest tire and vehicle developments and their impact on surface characteristic requirements
7. Understanding vehicle/tire-pavement interactions and their impact on the user
8. Use of the data in pavement/ road/ airfield/ safety/ asset management systems
9. Use of the data for performance measurement/requirements, contractual requirements, and estimating vehicle operating costs
10. Performance (effectiveness and durability) of surfacing materials and associated innovative construction techniques
11. Use of the data for assessing sustainability, including environmental, economic, and safety impacts on the users and local communities (e.g., noise, pollutants, safety enhancements)
12. Maintenance treatments and strategies for providing and restoring surface properties in road and airfields

Paper submission schedule

July 31, 2011 – Abstract due: SURF2012.org

Sept. 15, 2011 – Author notification

Nov. 30, 2011 – Full papers due

Feb. 28, 2012 – Author notification

Apr. 15, 2012 – Revised papers & draft presentation due

May 30, 2012 – Notification to presenters

July 15, 2012 – Final decisions & final program

Sponsorship/ Exhibits: The conference provides an excellent opportunity for equipment, data collection, and pavement management service providers to display their products and reach pavement and asset management professionals from around the world. Sponsorships and exhibiting opportunities are available on a first-come first-serve basis.

Gerardo Flintsch

Chairman SURF2012 Organizing Committee

Email: flintsch@vt.edu

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Chairman SURF2012 Scientific Committee

Email: bferne@trl.co.uk