

NEWS



TRANSPORTATION RESEARCH BOARD

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For Immediate Release
Press Advisory

Date: December 18, 2009
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Concrete Materials

TRB 89th Annual Meeting Session Highlights

January 10-14, 2010 – Washington, DC

Sessions, workshops, and committee meetings in this major topic area will provide a forum for the discussion of research needs and results, the exchange of lessons learned from case histories, and the examination of emerging areas and traditional topics. Areas that will be covered include pervious concrete, concrete cracking, performance-based specifications, sustainability in concrete construction, and the use of supplementary cementitious materials in mix design.

More than 10,000 policy makers, administrators, practitioners, researchers, and representatives of government, industry, and academic institutions are expected to attend the Transportation Research Board (TRB) 89th Annual Meeting, in Washington, DC, January 10-14, 2010. The meeting, held at the Marriott Wardman Park, Omni Shoreham, and Hilton Washington hotels, includes more than 3,000 presentations in 600 sessions and workshops covering all aspects of transportation.

The mission of the Transportation Research Board is to provide leadership in transportation innovation and progress through research and information exchange, conducted within a setting that is objective, interdisciplinary, and multimodal. TRB facilitates the sharing of information on transportation practice and policy by researchers and practitioners; stimulates research and offers research management services that promote technical excellence; provides expert advice on transportation policy and programs; and disseminates research results broadly and encourages their implementation. A major focal point of TRB's activities, the Annual Meeting provides an opportunity for transportation professionals from all over the world to exchange information of common interest.

Organized in 1920, TRB is a division of the National Academies, which include the National Academy of Sciences, National Academy of Engineering, Institute of Medicine, and National Research Council. The nation turns to the National Academies for independent, objective advice on issues that affect people's lives worldwide.

THE NATIONAL ACADEMIES
Advisers to the Nation on Science, Engineering, and Medicine

Highlighted Concrete Materials Sessions

Workshop 110 – Performance-Based Specifications in Current Concrete Practice

This workshop will provide a forum for best practices and current issues pertaining to the use of performance-based specifications in concrete practice. Researchers will present case study papers, followed by a panel discussion in which contractors and experts from federal and state agencies will share their experiences with performance-based specifications. Designed to provide an evaluation of ways to select and measure the right requirements, the workshop will also examine quality assurance and control in concrete practice.

Session 449 – Pervious Concrete in Transportation Applications

Pervious concrete is highly porous—its system of interconnected voids allows water to flow through rapidly. Emphasis on sustainable construction has resulted in the increased use of pervious concrete to supplement and enhance storm water management strategies. Pervious concrete can also be used in roadway applications, with benefits such as increased skid resistance, reduced traffic noise, decreased nighttime glare, and reduced heat island effect. This session will explore the testing and assessment of mechanical and hydraulic properties of pervious concrete, optimization of pervious concrete mixtures, durability performance of pervious concrete, and developments in field applications.

Session 670 – Effects of Incorporating Supplementary Cementitious Materials in Concrete Mix Design

The use of supplementary cementitious materials (SCM) in concrete pavements is widespread, but the side effects of different materials and increased dosages lead to greater likelihood of problems at the construction site. This session will explore current knowledge of the effect of SCMs on concrete mixtures and will examine how SCMs should be handled in pavement construction.

All Concrete Materials Sessions

Sunday

Session	Title	Hotel	Time
110	Performance-Based Specifications in Current Concrete Practice	M	9:00AM-12:00PM
153	Research and Emerging Technology in Portland Cement Concrete Pavement Construction	M	1:30PM-4:30PM

Monday

Session	Title	Hotel	Time
231	Advances in Concrete Property Characterization	M	9:30AM-12:00PM
234	Emerging Technologies Related to Concrete	M	9:30AM-12:00PM
240	Portland Cement Concrete Pavement Construction: New Developments	M	9:30AM-12:00PM
241	Properties of Concrete: Advances in Test Methods and Procedures	M	9:30AM-12:00PM
242	Recent Developments in Concrete Durability	M	9:30AM-12:00PM
341	Dialogue with Leaders in Design and Construction of Transportation Facilities	M	3:45PM-5:30PM

Tuesday

Session	Title	Hotel	Time
449	Pervious Concrete in Transportation Applications	M	10:15AM-12:00PM
535	Science of Cracking and Crack-Free Concrete	M	3:45PM-5:30PM

Wednesday

Session	Title	Hotel	Time
646	Improving Sustainability in Concrete Construction	M	10:15AM-12:00PM
670	Effects of Incorporating Supplementary Cementitious Materials in Concrete Mix Design	M	2:30PM-4:00PM
691	Nondestructive Tests for Real-Time Construction Applications	M	4:30PM-6:00PM

Hotels: Marriott (M), Hilton (H), Shoreham (S)

Additional Sessions Information: <http://pressamp.trb.org/conferenceinteractiveprogram/default.aspx>