

# NEWS



TRANSPORTATION RESEARCH BOARD

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News Release

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## **CORROSION EXPERT JOHN P. BROOMFIELD HONORED WITH 2013 THOMAS B. DEEN DISTINGUISHED LECTURESHIP**

The 2013 recipient of the Thomas B. Deen Distinguished Lectureship is consulting engineer John P. Broomfield. His lecture, “A Holistic Approach to Transportation Infrastructure Maintenance and Preservation,” will be delivered on January 14, 2013, at the Thomas B. Deen Distinguished Lecture and Presentation of Awards during the Transportation Research Board (TRB) 92<sup>nd</sup> Annual Meeting in Washington, D.C. The lecture will be published in a forthcoming *Transportation Research Record: Journal of the Transportation Research Board*.

The Deen Distinguished Lectureship recognizes the career contributions and achievements of an individual in one of the areas covered by the Board’s Technical Activities Division. Originally known as the Transportation Research Board Distinguished Lectureship, the award was renamed in 2002 in honor of the Board’s eighth Executive Director, who served with distinction from 1980 to 1994. Honorees are invited to present overviews of their technical areas, including the evolution, present status, and prospects for the future.

John P. Broomfield, a consulting engineer from Surrey, England, is a leading international expert in the field of corrosion and corrosion control of steel in concrete. He has been engaged in the development of a range of techniques for the investigation and remediation of corrosion-damaged reinforced concrete structures for the past 25 years. The lectureship

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recognizes the career contributions and achievements of an individual in one of the areas covered by the Board's Technical Activities Division.

Broomfield's textbook, *Corrosion of Steel in Concrete: Understanding, Investigation, and Repair*, was first published in 1997 and is now in its second edition. It is a comprehensive guide with an international perspective that reflects the author's vast experience. He has designed cathodic protection and other protection systems for a wide range of major structures throughout the world, and he helped pioneer the application of corrosion modeling to design life calculations for reinforced concrete. He has been active in committees in the United States and Europe developing standard test and repair methods for reinforced concrete infrastructure.

For TRB, Broomfield is an Emeritus Member of the standing Committee on Corrosion, which he chaired from 2000 to 2006; he has been a member of that committee since 1987. He has also been active on National Cooperative Highway Research Program projects, both as a panel member and as a contractor, and he has presented papers at TRB Annual Meetings. He was a technical contract manager on the staff of the first Strategic Highway Research Program (SHRP), overseeing contracts for research into highway bridge corrosion for the structures component of SHRP.

Broomfield holds a bachelor's degree in chemical physics from the University of Sussex, England, and a doctorate in metallurgy and materials science from the University of Oxford, England. He is a Chartered Engineer (PE); Chartered Scientist; Fellow of the Institute of Corrosion, the National Association of Corrosion Engineers, and the Institute of Materials, Minerals, and Mining; and a founding member, former chair, and Technical Committee chair of the UK Corrosion Prevention Association. Broomfield has lectured widely at universities and conferences throughout the world.

More than 11,000 policy makers, administrators, practitioners, researchers, and representatives of government, industry, and academic institutions are expected to attend the Transportation Research Board (TRB) 92nd Annual Meeting, in Washington, D.C., January 13-17, 2013. The meeting, held at the Washington Marriott Wardman Park, Omni Shoreham, and Hilton Washington hotels, includes more than 4,000 presentations in 750 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.

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