



8th International Conference on the Bearing Capacity of Roads, Railways and Airfields

The University of Illinois at Urbana-Champaign
June 29-July 2, 2009, Champaign, Illinois, USA

www.BCR2A.org



Invitation to Participate in the BCR²A'09 Conference

Early Registration for participants and exhibitors by May 1, 2009 through www.BCR2A.org

The Eight International Conference on the Bearing Capacity of Roads, Railways and Airfields (BCR²A'09) will take place at the University of Illinois in Champaign, Illinois, on June 29-July 2, 2009. The BCR²A'09 conference is particularly of interest to academics, researchers, and practitioners involved in transportation geotechnics, pavement and railroad engineering disciplines and concerned with the many issues pertaining to the bearing capacity and mechanistic based design of highway and airfield pavements and railroad track structures. The BCR²A'09 conference will provide a forum to promote efficient design, construction and maintenance of the transportation infrastructure.

During the BCR²A'09 event, four half-day pre-conference workshops have also been organized on climatic effects on pavement infrastructure, pavement interlayer systems, railroad track design including asphalt trackbeds, and designs for new and rehabilitated airport pavements. A post conference visit to the Chicago O'Hare International Airport will be the highlighted technical tour.

Through a strictly refereed peer review process, the conference Scientific Committee have accepted approximately 160 high quality papers which will be published in two-volume hardcover proceedings with an indexed CD-ROM and presented during the conference.

The BCR²A'09 conference is sponsored by several organizations including FHWA, FAA, FRA, AAR, TRB, ASCE, and Illinois Department of Transportation.

Exhibit Opportunities: The BCR²A'09 Conference will be held at the new I Hotel and Conference Center (<http://www.stayatthei.com/>) on the campus of the University of Illinois at Urbana-Champaign. Indoor and outdoor advertising space will be available at the BCR²A'09 Conference Center for commercial displays and larger exhibits of equipment and products, as well as literature and poster displays. This will provide an opportunity to display and demonstrate new products and equipment to an international audience, and to discuss solutions with experts from all over the world.

For registration and information about conference schedule, exhibit space, travel arrangements, and lodging reservations, please visit the conference website at: <http://www.BCR2A.org/>

We look forward to welcoming you to Champaign, Illinois in June 2009!

Erol Tutumluer, Chair
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BCR²A'09 Conference Keynote Presentations

Title: "*From bearing capacity to mechanistic design: the role of soil mechanics in asphalt pavement engineering*"

by Professor Stephen F. Brown

Nottingham Transportation Engineering Center, United Kingdom

Title: "*The performance of rail track incorporating the effects of ballast breakage, confining pressure and geosynthetic reinforcement*"

by Professor Buddhima Indraratna

University of Wollongong, Australia

Title: "*Airport pavement design for the 21st century*"

by Dr. Satish K. Agrawal

Federal Aviation Administration, William J. Hughes Technical Center, New Jersey, USA

BCR²A'09 Conference Topics

- " Subgrade Soils
- " Granular Materials
- " Asphalt Mixtures
- " In-situ Measurement Techniques & Developments
- " Modeling & Methods of Functional Testing
- " Backcalculation Analyses of Deflection Measurements
- " New and/or Innovative Techniques in Compaction & Construction
- " Structural Evaluation & Performance Prediction
- " Structural Design Systems for New Construction & Rehabilitation
- " Bearing Capacity Designs for Challenging Conditions & Load Effects
- " Bearing Capacity Designs for Climatic Conditions
- " Reinforcement of Structural Layers
- " Utilization of Recycled Materials
- " Railroad Track Structures
- " Full-Scale Testing
- " Case Histories