

## Workshop

### ***Geosynthetic Interlayer Systems in Pavements: Effectiveness and Optimization***

Interlayer systems have received considerable attention in recent years as viable solutions to enhance pavement performance. Geosynthetic materials may be utilized in both bound and unbound layers of a pavement structure. The success of using geosynthetics in pavements have shown substantial potential for increasing pavement service life and improving pavement performance if appropriately used and installed. Geosynthetics have been used in roadway systems for reinforcement, layer separation/stabilization, drainage, strain tolerant, and as moisture barriers. The challenge is usually to select the appropriate interlayer system for the proper application. In his presentation, Professor Al-Qadi will discuss the potential to enhance the performance of roadways when using geosynthetics in pavement systems as well as potential challenges. He will also present the various optimized applications to enhance the effectiveness and efficiency of the pavement system with geosynthetics.

**October 17, 2012 - 15:30 - 19:00**

**Middle East Technical University  
Cultural Convention Center, Ankara**



Dr. Al-Qadi holds the distinction of Founder Professor of Engineering at the University of Illinois at Urbana-Champaign. He is also the Director of the Advanced Transportation Research and Engineering Laboratory and the founding Director of the Illinois Center for Transportation. Prior to that he was the Charles E. Via, Jr. Professor of Civil and Environmental Engineering at Virginia Tech. He specializes in pavement mechanics and modeling, tire-pavement interaction, pavement sustainability, condition assessment and rehabilitation, instrumentation, and NDE including ground penetrating radar. He has served as the principal/co-principal investigator of more than 100 projects sponsored by various agencies and managed an additional 140 projects. A registered Professional Engineer, Professor Al-Qadi is the author/ coauthor of more than 525 technical publications. He delivered more than 500 technical presentations including numerous keynote lectures. He received numerous awards including the NSF Presidential Young Investigator Award, the 2002 IGS Award, and the 2007 ASCE James Laurel Prize. In 2010 he was elected to be an ASCE Distinguished Member, the highest ASCE honor that has been bestowed on less than 600 civil engineers since 1853 "for his extraordinary research and technical contributions in pavement engineering, modeling, and rehabilitation technologies, pavement interlayer systems, and transportation infrastructure sensing such as ground penetrating radar, as well as his exemplary leadership in professional service and technology transfer." He is currently an elected member of ASCE T&DI Board of Governors and serves as the Editor-in-Chief of the *International Journal of Pavement Engineering*.

*Instantaneous English translation will be provided during the workshop.*

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