Dr. Erol Tutumluer is a Professor of Civil Engineering and Paul F. Kent Endowed Faculty Scholar at the University of Illinois at Urbana-Champaign. Professor Tutumluer holds a B.S. (Bogazici University 1989), 2 M.S. degrees (Duke University 1991 and Georgia Tech 1993), and a Ph.D. (Georgia Tech 1995), all in civil engineering. He has been on the faculty of the department of Civil and Environmental Engineering at the University of Illinois since 1996. He teaches graduate and undergraduate courses in transportation soils engineering, pavement analysis and design, subgrade soil and aggregate behavior, transportation soil stabilization, airport facilities design and introduction to transportation engineering.

Dr. Tutumluer has research interests and expertise in transportation geotechnics, specifically testing and modeling of soils and unbound aggregates; recycled aggregates and their unbound applications, shape, texture, angularity characterization of aggregates using video-imaging techniques, modeling of particulate media using discrete and finite element methods, artificial intelligence in the form of neural network modeling, mechanistic based pavement design, and nondestructive pavement evaluation. He has been active in geosynthetics engineering research, education, and practice for approximately 10 years with recent research studies completed on subgrade restraint and granular base reinforcement of geotextiles and geogrids in pavement applications. Dr. Tutumluer served as the Conference Chair and Proceedings Co-editor of the 8th International Conference on the Bearing Capacity of Roads, Railways and Airfields (BCR2A’09) which was held at UIUC on June 29-July 2, 2009 (http://www.BCR2A.org).

"Use of Geosynthetics in Transportation Applications"

Erol Tutumluer

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OMP Conference Room
10510 West Zemke Road, Chicago

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