

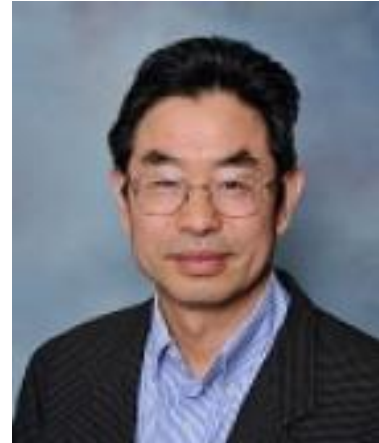
Theme Lecture 4

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Theme Lecture Title

An Overview of Pavement Forward and
Inverse Analyses



Professor Er-nian Pan obtained his BS and MS degrees from Lanzhou University and Beijing University, respectively, and his PhD from University of Colorado at Boulder. He joined the University of Akron in 2002 and was promoted to professor in 2008, with a primary appointment in the Department of Civil Engineering and a joint appointment in the Department of Applied Math. His teaching and research are in continuum/computational methods/mechanics with applications to modern engineering and Earth science problems including pavement/earth deformation due to surface and internal loadings, mechanical and electronic properties of nanoscale quantum heterostructures, and magnetoelectric effect in multiferroics composites. He has published over 300 peer-reviewed journal articles, designed a couple of software products including *MultiSmart3D*, and co-authored a book titled *Static Green's Functions in Anisotropic Media* by Cambridge University Press. He was elected to Fellow of ASME for his contributions in Green's functions and boundary integral equation method and to Fellow of ASCE for his contributions in modelling of layered systems.