**Dr. Manuel Celaya, Advanced Infrastructure Design, Inc. (AID)**

**Speaker Bio:** Dr.Manuel Celaya received his Bachelor degree in Civil Engineering from the Polytechnic University of Madrid, Spain and a Master and PhD degrees from the University of Texas at El Paso (UTEP).

During his Master studies Dr. Celaya worked on the non-destructive examination and testing of composite materials. For his PhD studies he evaluated the feasibility of non-destructive testing (NDT) technologies to assess presence and extent of delamination of HMA airfield pavements. For seven years Dr. Celaya also worked at UTEP as a full-time Research Engineer and participated in numerous research projects. For the last 12 years he has been working at AID as Project Engineer and Project Manager and Practice Lead.

Dr. Celaya has over eighteen years of professional experience in the application of analysis/design techniques to highway and airport pavements; use of NDT technologies (e.g., Ground Penetrating Radar -GPR-, seismic methods, Dynamic Cone Penetrometer -DCP-) for pavement analysis and design. As a full-time employee at AID, Manuel has gained professional experience in the use of other NDT technologies, including pavement distress identification using automated methods, 3D laser scanning systems, high-speed inertial profiler testing, high-resolution video collection, and Falling Weight Deflectometer (FWD).