

## **Theme Lecture 5**

**Professor Lin-bing Wang**  
Department of Civil and Environmental  
Engineering, Virginia Tech, VA, USA

**Theme Lecture Title**  
Material Design: Perspectives and Status  
for MGI



Dr. Linbing Wang is a professor in civil engineering materials and pavement, and Director of the Center for Smart and Green Civil Systems, at Virginia Tech. He is the founding chair of the Mechanics of Pavement Committee, and the Vice Chair of the Nanomechanics and Micromechanics committee of the Engineering Mechanics Institute (EMI) of ASCE. Dr. Wang has led more than 50 research projects funded by NSF, DoD, DoA, NCHRP, FHWA, DoTs, MOST and CNSF. Specific focus of his research includes material genome, multiscale characterization, modeling and simulation; smart and sustainable technologies; energy harvesting; civil infrastructure health monitoring; innovative infrastructure assessment and performance predictions; high performance and multifunctional materials; pavement testing and mechanistic pavement design; infrastructure preservation and management; and application of remote sensing and imaging techniques.