

# Challenges and Innovations in Civil and Environmental Engineering and Earth Sciences

## Making U.S. nuclear plants safer by incorporating lessons learned from the Fukushima nuclear accident

**Mark W. Lloyd**

*Director – Projects, American Electric Power Nuclear Generation*

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**4:00pm-5:00pm**

**141 DeBartolo**



The earthquake and tsunami in Japan on March 11, 2011 and subsequent nuclear accident at Fukushima have resulted in worldwide attention toward nuclear energy safety. The leadership of the U.S. commercial nuclear industry is dedicated to gaining a deep understanding of the events and to taking the necessary actions to improve safety and emergency preparedness at America's nuclear facilities. Mr. Lloyd's presentation will detail the many things done to make the Cook Nuclear Plant in Bridgman, Michigan, and all U.S. nuclear plants, safer.

Mark Lloyd is Director – Projects for American Electric Power's Nuclear Generation, responsible for the execution of major projects, including the implementation of the five-year Life Cycle Management Project at the D.C. Cook Nuclear Plant. Prior to joining American Electric Power in May 2013, Mr. Lloyd worked at Westinghouse Electric Company for 19 years, holding the positions of the Vice President of New Plant Business Development, Director of New Plant Business Development, Fuel Business Manager and Thermal Hydraulic Design Engineer. He also worked for two years in Westinghouse's Continuous Improvement organization, implementing Lean and Six Sigma projects. Mr. Lloyd attended The Pennsylvania State University, graduating with a bachelor's degree in nuclear engineering in 1992 and a master's degree in nuclear engineering in 1994.

