

Presentation Title: “Engineered Analytics: A Toolbox Approach for Data-Driven Decision-Making”

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Aaron Hussey has more than 20 years of industry experience and is the principal for Integral Analytics’ business and consulting activities with an emphasis on power industry implementation of asset analytics. He has a Bachelor of Science degree in Mechanical Engineering and is a registered Professional Engineer in the State of North Carolina. He is also an experienced Black Belt in Six Sigma and has certificates in Data Science, Wind Energy, and Entrepreneurship. His engineering graduate studies included precision instrumentation/machine design, statistics, and vibration analysis. He is past director for the power industry division and chair of the conferences and events committee for the International Society of Automation and is also a member of the American Society of Mechanical Engineers.

Current responsibilities include advanced pattern recognition model development for several monitoring & diagnostic centers and various analytics and sensor specification efforts for the Electric Power Research Institute (EPRI). Before founding Integral Analytics, Aaron’s responsibilities included implementation of predictive analytic models for Duke Energy’s 11-unit fleet of nuclear power plants, Tennessee Valley Authority’s (TVA) fossil, hydro, and nuclear generating units, and South Carolina Electric & Gas (SCE&G) VC Summer nuclear site. Prior to that, he fulfilled various roles over 9+ years at the Electric Power Research Institute, focusing on instrumentation and controls (both nuclear and non-nuclear) research including project management for the Fleet-Wide Monitoring Interest Group.