

## **Murali Baggu**

### **Biographical Summary**

Dr. Murali Baggu is Laboratory Program Manager for Grid Integration at NREL. He manages the DOE Office of Electricity, Grid Deployment Office and Grid Modernization Initiative (GMI) programs at NREL. He currently directs the NREL's Advanced Distribution Management Systems and Puerto Rico Grid Recovery and Resilience efforts. Dr. Baggu is a Senior Member of IEEE since 2014 and the past chair of IEEE Distribution System Operation & Planning sub-committee. He is also Associate Editor for the IEEE Transactions on Sustainable Energy and Guest Editor for IEEE Systems journal's special issue on "Control and Management of Electric Power Systems with High Shares of IBR". He has extensive experience in advanced grid control and evaluation for future power systems with high levels of distributed energy resources. This includes ADMS, microgrid applications, and energy-storage applications. Before joining NREL he worked as a Lead Power Systems Engineer at GE Global Research, Niskayuna, NY, where he developed advanced Volt/VAR control and DER management algorithms. At GE, he also led the technology development and deployment of large-scale energy storage integration with photovoltaic systems. He has five patents and more than fifty publications in these areas. He has a Ph.D. in Power Engineering from Missouri S&T.