

Paper ID: 150

Title: *Utilization of Battery Energy Storage Systems for Meeting Ramp Rate Requirements in Wind Farms*



Presenting Author Biography

Genki Imai is a Research Engineer at the Wakamatsu Research Institute of Electric Power Development Co., Ltd. (J-POWER), Japan. He received his M.E. degree from Tohoku University in 2016 and joined J-POWER in the same year. After working at Matsuura Thermal Power Station, he became involved in research and development of battery energy storage systems and renewable energy applications. His current research focuses on battery-assisted operation of wind farms, multi-purpose utilization of energy storage systems, grid-code compliance, and renewable energy integration. His research interests include energy storage systems, wind power generation, renewable energy integration, and power system stability.