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Dr. Cenk Andic

Istanbul Technical University, Istanbul, Türkiye



Paper ID : 262

Paper Title : Development of a Multi Stage Pumping Strategy to Enhance Frequency Stability in Pumped Storage Hydropower Plants

Bio :

Dr. Cenk Andic is a Research Assistant in the Department of Electrical Engineering at Istanbul Technical University (ITU), Türkiye. He received his B.Sc. and Ph.D. degrees in Electrical and Electronics Engineering from Duzce University in 2018 and 2024, respectively. His doctoral dissertation focused on the investigation of power system state estimation using the Crow Search Algorithm.

Dr. Andic's research interests include power system state estimation, optimal placement of phasor measurement units, load-frequency control, economic dispatch, state estimation against cyber-attacks, voltage and angle stability, and automatic voltage regulation. He has also employed artificial intelligence techniques in his studies, including the integration of electric vehicles into power grids and battery-based frequency control.