

paper ID and Title:

Paper ID : 134-Enhancing Low-Inertia Systems with GFM-based Hybrid Storage: A Vital Approach for Grid Stability

Paper ID : 135-Synergistic Multi-Service Operation of Hybrid Energy Storage Systems

**Short CV of the presenter:**



Dr. Elyas Rakhshani is the “*Control Systems and Simulation Manager*” at HESStec company, located in Valencia, Spain. He leads the Control Systems division within the company's technology department, focusing on dynamic low-inertia grids, hybrid energy storage integration, integration of storage dynamic behaviors with its operations through the development of advanced control algorithms and their integration into HESStec's control and power platforms.

He earned his Ph.D. in Electrical Engineering (cum laude) from the Universitat Politècnica de Catalunya (UPC) in Barcelona, Spain, in 2016. Additionally, he holds a master's degree in Control Systems obtained in 2008 and a bachelor's degree in Power Systems earned in 2004. In recognition of his scientific contributions post-Ph.D., he received an extraordinary doctoral award from the Permanent Committee of the UPC Doctoral School in 2018.

Dr. Elyas Rakhshani is Senior member of the *IEEE* and a member of the editorial board of *Power and Energy Society (PES)* journals such as *IEEE Transactions on Power Systems*, *IEEE Power Engineering Letters*, *IET Generation Transmission & Distribution*, *IET Renewable Power Generation*, and *IEEE Systems journal*. His research interests include modern power system control, dynamic stability, hybrid energy storage integration, converter control applications in power systems, and HVDC control for grid applications.