DR. ASM JAHID HASAN [AJH]

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PhD University of California, Riverside

MS University of California, Riverside

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Research Areas

▪ Modeling and Simulation

▪ Power Systems and Renewable Energy

Teaching

▪ EEE 141 Electrical Circuits I

▪ EEE 141L Electrical Circuits I Lab

▪ EEE241/ETE241 Electrical Circuits II

▪ EEE241L/ETE241L Electrical Circuits II Lab

▪ EEE 111/ ETE 111 Analog Electronics-I

▪ EEE 111L/ ETE 111L Analog Electronics-I Lab

▪ EEE 362 Power Systems

▪ EEE 362L Power Systems Lab

▪ EEE 552 Smart Energy Systems

▪ EEE 556 Smart Grid Design and Operation

Selected Publications

Conference Papers

▪ ASMJ Hasan, J Yusuf, LF Enriquez-Contreras, S Ula, "Bad Cell Identification of Utility Scale Battery Energy Storage System through Statistical Analysis of Electrical and Thermal Properties," IEEE PES ISGT Europe 2021, 2021

▪ ASMJ Hasan, LF Enriquez-Contreras, J Yusuf, S Ula, "A Comprehensive Building Load Optimization Method from Utility Rate Structure Perspective with Renewables and Energy Storage," 2021 International Conference on Smart Energy Systems and Technologies (SEST), 2021

▪ ASMJ Hasan, LF Enriquez-Contreras, J Yusuf, MJ Barth, S Ula, "Demonstration of Microgrid Resiliency with V2G Operation," IEEE Transportation Electrification Conference and Expo (ITEC), 2021

▪ ASMJ Hasan, J Yusuf, S Ula, "Nonconvex Thermal Modelling and Energy Optimization for Multizone Commercial Buildings with VAV Type HVAC Units," 2020 International Conference on Smart Grids and Energy Systems (SGES), 2020

▪ ASMJ Hasan, J Yusuf, RB Faruque, "Performance comparison of machine learning methods with distinct features to estimate battery SOC," 2019 IEEE Green Energy and Smart Systems Conference (IGESSC), 2019