

Outreach Activities

- [1] Examiner of PhD dissertation titled "Solid State Transformer and Model Predictive Control for PV Systems", from Deakin University, Australia, Summer 2024.
- [2] Examiner of PhD dissertation titled "A Game Theoretic Model of Transactive Energy Management in Interconnected Residential Microgrid Cluster", from Deakin University, Australia, Fall 2021.
- [3] Examiner of PhD dissertation titled "Managing Unbalanced Distribution Grid with Distributed Renewable Energy Sources and Electrical Vehicles", from University of Technology Sydney, Australia, Fall 2021.
- [4] Examiner of Ph.D. dissertation titled "Stochastic Modelling and Energy Management Method To Support Electrical Network Using Parking Lots Incorporating EV Charging Infrastructure", from Macquarie University, Australia, Spring 2021.
- [5] Examiner of Ph.D. dissertation titled "Enhanced Control Approaches for Harmonic Compensation and Reactive Power Support for Improving Grid Power Quality", from Macquarie University, Australia, Summer 2020.
- [6] Examiner of Ph.D. dissertation titled "Protection of Resonant Grounded Power Distribution Systems For Mitigating Powerline Bushfire", from Deakin University, Australia, Summer 2020.
- [7] Examiner of Ph.D. dissertation titled "Improving Advanced Driver Assistance System in Electric Vehicles", from University of Wollongong, Australia, Spring 2020.
- [8] Examiner of Ph.D. dissertation titled "Life-Cycle Assessment and Economic Analysis of Renewable Energy Technologies", from Macquarie University, Australia, Fall 2019.
- [9] Examiner of Ph.D. dissertation titled "Investigation of Module Arrangement Scheme and Control Strategies for Thermoelectric Generator Fed Power Converters for Enhanced Power Extraction", from National Institute of Technology, Tiruchirappalli, India, Fall 2019.
- [10] Examiner of Ph.D. dissertation titled "Nonlinear Partial Feedback Linearizing Controller Design for Power Systems with Advanced Models," from Deakin University, Australia, Fall 2018.
- [11] Examiner of Ph.D. dissertation titled "Power Management and Control of Hybrid AC/DC Microgrids Integrated with Renewable Energy Sources and Electric Vehicles" from Macquarie University, Australia, Summer 2018.
- [12] Examiner of Ph.D. dissertation titled "Robust Nonlinear Adaptive Backstepping Controller Design for Power System Applications Including Renewable Energy Systems," from Deakin University, Australia, Spring 2018.
- [13] Examiner of Masters thesis titled "Control and Power Management of Photovoltaic Systems with Plug-in Hybrid Electric Vehicles as Energy Storage," from University of Tasmania, Australia, Fall 2017.
- [14] Organized a technical session titled "FedEx Repair Service Center Visit" for the members of the IEEE Memphis Section, November 22, 2017.
- [15] Examiner of Masters thesis titled "Partial Feedback Linearizing Control for VSC-Interfaced Energy Storage Systems" from University of New South Wales, Australia, Fall 2017.
- [16] Organized a technical session titled "IEEE GE Grid Solutions" for the members of the IEEE Memphis Section, University of Memphis, October 11, 2017.

- [17] Attended at the IEEE PES Chapter Chairs Training Session held at the IEEE PES General Meeting, Chicago, USA, July 16-20, 2017.
- [18] Examiner of Ph.D. dissertation titled "Design and Implementation of Smart Voltage Source Inverter (SVSI) with Renewable Energy Source (RES)" from Macquarie University, Australia, Spring 2017.
- [19] Organized a technical session titled "Mitsubishi Electric Power Products Inc. (Transformer Division) Visit" for the members of the IEEE Memphis Section, October 27, 2016.
- [20] Examiner of Masters thesis titled "A Generalized Hierarchical Transactive Energy Management Framework for Residential Microgrids" from Deakin University, Australia, Summer 2016.
- [21] Organized a technical session for the members of IEEE Memphis Section at the FedEx Institute of Technology, University of Memphis, Nov 10, 2015.
- [22] Examiner of Ph.D. dissertation titled "A Simulated Annealing Global Maximum Power Point Tracking Method for Photovoltaic Systems Experiencing Non-Uniform Environmental Conditions" from University of Tasmania, Australia, Spring 2015 semester.
- [23] Organized a technical session titled "Mitsubishi Electric Power Products Inc. (Transformer Division) Visit" for the members of the IEEE Memphis Section, October 30, 2014.
- [24] Organized a technical session titled "Cybersecurity Issues in the Smart Grid" for the members of the IEEE Memphis Section, Sept 09, 2014.
- [25] Organized a technical session titled "S&C Interruption Presentation and Demonstration Lunch and Learn" for the members of the IEEE Memphis Section, Sept 05, 2014.
- [26] Examiner of two Ph.D. dissertations (Title: Modeling and Control of Direct Drive Variable Speed Wind Turbine with IPM Synchronous Generator" and "Control of Power Electronic Interfaces for Photovoltaic Power Systems for Maximum Power Extraction") from University of Tasmania, Australia, Fall 2014 semester.
- [27] Examiner of Ph.D. dissertation (Title: Distributed Multi-Agent Approach for Enhancing Stability and Security of Emerging Smart Grids) from University of New South Wales, Australia, Fall 2014.
- [28] Organized a technical tour to visit Memphis Light, Gas and Water (MLGW) division substation for the members of the IEEE Memphis Section, October 25, 2013.
- [29] Examiner of two Ph.D. dissertations (Title: "Performance Improvement of Doubly Fed Induction Generator-Based Wind Energy Conversion System During Various Internal Converter Faults" and "Impact and Utilization of Emerging PHEV in Smart Power System") from University of New South Wales, Australia, Spring 2013 semester.
- [30] Organized a technical tour to visit TVA Allen Fossil Plant for the members of the IEEE Memphis Section, Sept 28, 2012.
- [31] Examiner of Ph.D. dissertation (Title: Robust Nonlinear Feedback Linearizing Controller for Power Systems to Enhance the Transient Stability) from University of New South Wales, Australia, Fall 2012.