

## **Paper Session F M II: Power Quality**

**When: 8.30 am – 10.10 am Friday, March 13<sup>th</sup>, 2020**

**Where: Seminar Room I**

**Chair: Dr. Uwakwe Chukwu, South Carolina State University, SC, USA**

**Co-Chair: Dr. Vahid Dargahi, University of Washington, Tacoma, WA, USA**

**8:30 am – 8:55 am: Dynamic Voltage Restorer Controlled with Energy Minimized Compensation Method Based on Double Flying Capacitor Multicell Inverter**

*Arash Sadigh, Saleh Farzamkia, Vahid Dargahi (Pennsylvania State University, USA, University of Washington, USA)*

**8:55 am – 9:20 am: Power Quality Improvement through Distributed Generation Based on Renewable Energy**

*Serafin Ramos, Fernando Ornelas-Tellez, Jesus Rico-Melgoza, Edgar Sanchez (Universidad Michoacana de San Nicolas de Hidalgo, Mexico, CINVESTAV-IPN Unidad Guadalajara, Mexico)*

**9:20 am – 9:45 am: Multiple Zero-Sequence Harmonic Injection Method using Optimized Coefficients**

*Saleh Farzamkia, Arash Sadigh, Mahshid Khoshlessan (Pennsylvania State University, USA, University of Texas, USA)*

**9:45 am – 10:10 am: The Impact of Q-Factor on Optimal Energy Loss: A Case of V2G in the Distribution System**

*Uwakwe Chukwu (South Carolina State University, USA)*