

Paper Session X Thursday March 10th, 2016 2:30 pm-3:30 pm Grand Ballroom C
Agents & Simulation

Chair: Dr. Keith Corzine (Clemson University, USA)

Co-chair: Dr. Innocent Davidson (University of KwaZulu-Natal, South Africa)

2:30-2:50: Controller hardware-in-loop testbed setup for multi-objective optimization based tuning of inverter controller parameters in a microgrid setting

Kumaraguru Prabakar, Fanxing Li (University of Tennessee, Knoxville, USA), Bailu Xiao (Oak Ridge National Laboratory, USA)

2:50-3:10: Distributed Control of Converters in a DC Microgrid Using Agent Technology

Maryam Nasri, Rishad Md. Hossain, Herbert Ginn (University of South Carolina, USA), Mehrdad Moallem (Simon Fraser University, Canada)

3:10-3:30: Modeling and Simulation of Synchronous Machine Connected to an Infinite Bus Using Parallel Processing and Partitioned Solution

Angie Daniela Vasquez-Calderon, Janire Guerrero-Parra, Hermann Vargas-Torres (Universidad Industrial de Santander, Columbia)