

Paper Session XI Thursday, March 10<sup>th</sup>, 2016 4:00 pm-5:40 pm Grand Ballroom C  
Solar/PV Systems

Chair: Dr. Ali T Awami (King Fahd University of Petroleum and Minerals, Saudi Arabia)

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

4:00-4:20: Impacts of Thermally Efficient Structures and Photovoltaic Sources in Military Microgrids

*Neal T. Eichenberg, Aaron St.Leger, Jeremy Spruce (United States Military Academy, West Point, USA)*

4:20-4:40: Intelligent Proportional Integral (iPI) Control of a Polar Axis Solar Tracker

*John T. Agee, Innocent Davidson (University of KwaZulu-Natal, South Africa), Lecha T. Kombani (Tshwane University of Technology, South Africa)*

4:40-5:00: A Stochastic Approach to Optimum Placement of Photovoltaic Generation in Distribution Feeder

*Yan Chen, Michael Strothers, Andrea Benigni (University of South Carolina, USA)*

5:00-5:20: Analysis of a Residential 5kW Grid-tied Photovoltaic System

*Yacouba Moumouni, R. Jacob Baker (University of Nevada at Las Vegas, USA), James R. Souba (City of Fallon Municipal Electric Distribution System, Nevada, USA)*

5:20-5:40: Performance Analysis of Parabolic Trough Collectors for Pakistan Using Mathematical and Computational Models

*Gussan Maaz Mufti, Dr. Mohsin Jamil, Danial Naeem (National University of Sciences and Technology, Pakistan), Muhammad Usman Mukhtiar, Dr. Ali T Awami (King Fahd University of Petroleum and Minerals, Saudi Arabia)*