

**Paper Session T M II: Photovoltaics: Thursday, March 12<sup>th</sup>, 2020**

**When: 10.20 am – 12.00 pm, Thursday, March 12<sup>th</sup>, 2020**

**Where: Ballroom C**

**Chair:** Dr. Inno Davidson, Durban University of Technology, South Africa

**Co-Chair:** Dr. Rajendra Singh, Clemson University, USA

**10:20 am – 10.45 am: The Paradigm Shifting Role of Solar Powered DC Nano-Grids in New Electrification and Replacement for Traditional Grid Distribution**

*Amir Asif, Rajendra Singh, Jahangir Majumder*

*(Clemson University, Clemson, SC, USA, Upstate University of South Carolina, Spartanburg, SC, USA)*

**10:45 am – 11.10 am: Assessing the Impact of Smart Inverter's Functions on Power Quality in Rooftop PV Applications**

*Fatemeh Tooryan, Edward Collins, Azadeh Shadman*

*(Clemson University, Clemson, SC, USA, S & C Electric Company Chicago, USA, University of Wisconsin–Milwaukee, USA)*

**11:10 am – 11.35 am: Powering Africa by Photovoltaics**

*Omolola Adeniran, Rajendra Singh, Prahaladh Paniyil (Clemson University, Clemson, SC, USA)*

**11:35 am – 12:00 pm: Nearly Free Sustainable Electric and Thermal Power for Desalination**

*Vishwas Powar, Rajendra Singh, Prahaladh Paniyil*

*(Clemson University, Clemson, SC, USA)*