

**Paper Session T – M III: Microgrids: Thursday, September 6th, 2018**

**When: 10:30 am-12:30 pm**

**Where: Ballroom C2**

**Chair: Tom Fenimore, Duke Energy, USA**

**Co-Chair: Roy McCann, University of Arkansas, USA**

- [1] 10.30 am – 10.50 am: Microgrid for Residential and Office Building with Battery Storage and Central Hot-Water Tank**  
*Ibrahim Mohamed, Ahmad Abdalla (Omar Al Mukhtar University, Libya)*
- [2] 10.50 am – 11.10 am: Implementing a Microgrid Using Standard Utility Control Equipment**  
*Tom Fenimore, Andy Gould, Larry Wright (Duke Energy, Schweitzer Engineering Laboratories, USA)*
- [3] 11.10 am – 11.30 am: Graph Theory and Critical Load-Based Distribution System Restoration using Optimal Microgrids Formation**  
*Anand Kumar, Santiago Grijalva (Georgia Institute of Technology, USA)*
- [4] 11.30 am – 11.50 am: Fractional Order PI Control for a Three-Phase Microgrid Application**  
*Rasheed Abdulkader, Roy McCann (University of Arkansas, USA)*
- [5] 11.50 am – 12.10 pm: Design Optimization and Reliability Enhancement of Community based Islanded Microgrid through Frequency Stability**  
*Azmat Rashid Khan, Khurram Shahzad, Muhammad Shoaib khalid, Affaq Qamar (University of Engineering and Technology, Pakistan)*
- [6] 12.10 pm – 12.30 pm: Artificial Neural Network Control of a Standalone DC Microgrid**  
*Weizhen Dong, Shuhui Li, Xingang Fu (University of Alabama, Texas A&M University, USA)*