

## **Special Session**

### **SMART LOW VOLTAGE DC MICROGRID**

Organised by:

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With rapid growth of DC loads in the residential buildings, as well as the DC nature of most renewable energy resources and energy storage units, DC microgrids are becoming a viable alternatives. The DC microgrid provides several advantages in terms of redundancy, modularity, fault tolerance, higher efficiency, high reliability, easy maintenance, smaller size and lower design cost. This track provides a platform for researchers and engineers from Academia, Industry and Utility to exchange their knowledge, expertise and experience on DC Microgrid.

#### **Topics of the track include, but are not limited to:**

- Economic aspects of microgrids
- Topologies of DC distribution systems
- Distributed monitoring and control strategy for microgrids
- Protection and stability issues in microgrids
- DC distribution architectures in buildings
- Energy management solutions for microgrids
- Power quality issues
- Energy storage technologies
- Reliability and resiliency of microgrid

### **Submission of papers:**

**Deadline: 31 May 2018**

Submit the paper at: <http://soe.northumbria.ac.uk/efea2018/index.html>