

11<sup>th</sup> Universities High  
Voltage Network  
Colloquium  
15<sup>th</sup> – 16<sup>th</sup> January 2018  
Winchester Guildhall,  
SO23 9GH



## Schedule of events

### Monday 15<sup>th</sup> January, Keats Room

18:00 – 19:30 Registration and Poster session

### Tuesday 16<sup>th</sup> January      Bapsy Hall

8:30                              Welcome

9:00                              Keynote Address

10:00                             Oral session

1. Electrical Treeing in HVDC Cable Insulation - M. Azizian Fard *et al.*
2. Electrical Tree Growth by Partial Discharges within a Spherical Cavity under Accelerated Life Tests - T. Tanmaneeprasert *et al.*
3. Ageing and Failure Mechanisms of Electrical Materials for High Voltage Systems in Aerospace Applications - H. Haghighi *et al.*
4. Advanced On-line Condition Monitoring and Inter-turn Short Circuit Detection of Power Transformers - E. Aburaghiega *et al.*

11:20                             Break

11:40                             Oral session

1. Review of the accuracy of the IEC method for calculating the induced losses in HVAC Submarine Cables in the absence of armour - D. Chatzipetros *et al.*
2. Offshore Cable Optimization by Probabilistic Thermal Risk Analysis - M.A. Hernandez Colin *et al.*
3. Finite Element Modelling of Gas Insulated Bus for Very Fast Transients - J. James *et al.*
4. Characterisation of a Corona-stabilised Switch Filled with Environmentally-friendly Gas Mixtures - R. MacPherson *et al.*

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Tuesday 16 <sup>th</sup> January	Bapsy Hall
13:00	Lunch
14:00	Oral session <ol style="list-style-type: none"><li>1. An Examination of the Breakdown Strength of Modified Epoxy Resin - I. A. Saeedi <i>et al.</i></li><li>2. The Effect of Temperature on DC current of Silica Based Nanocomposites - Y. Wang <i>et al.</i></li><li>3. Schlieren Study of Streamer Initiation and Propagation in Insulating Liquids - S. Shen <i>et al.</i></li></ol>
15:00	Break
15:15	Oral session <ol style="list-style-type: none"><li>1. Electric Field Effects on Boiling Heat Transfer of Thermosyphon Coolant - S. Wu <i>et al.</i></li><li>2. Chemometrics in the Study of Liquid Dielectrics - H. Herman <i>et al.</i></li><li>3. Self-healing dielectric fluids for autonomous repair of fluid filled cables - S. Basu <i>et al.</i></li></ol>
16:15	Close

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