



# THE FUTURE & VESI SEMINAR

Wednesday 14<sup>th</sup> January 2015

The Shard (17<sup>th</sup> floor), 32 London Bridge St, London SE1 9SG

Time	Topic	Speaker
10:30-11:00	Arrival and refreshments	
11:00-11:30	Welcome and keynote	Ian Turner, Office for Low Emission Vehicles (OLEV)
11:30-11:40	Introduction and Overview of Developing FUTURE Vehicles Project	Prof Rob Thring (Loughborough)
11:40-11:50	Operational and degradation modelling of lithium ion batteries	Dr Greg Offer (Imperial)
11:50-12:00	PEM fuel cell performance and degradation modelling	Jiayi Gu (Loughborough)
12:00-12:10	Integration and reliability of HEV power electronic systems	Dr Jun Cai & Dr Xin Zhang (Sheffield)
12:10-12:20	Designing robust electrical machines	Dr Dave Howey (Oxford)
12:20-12:30	Data driven approaches for diagnostics and prognostics	Dr Malgorzata Sumislawska (Coventry)
12:30-12:40	Loosely coupled hardware in the loop testing for electric vehicle powertrains	Dr Stefano Longo (Cranfield)
12:40-13:30	<b>Buffet Lunch</b>	
13:30-14:30	Poster session VESI+FUTURE	
14:30-14:50	Introduction and Overview of VESI	Prof Phil Mawby (Warwick)
14:50-15:10	Analysis and design of non-rare-earth traction motor and drive	Dr Weizhong Fei (Cranfield) and Dr Niall McGlashan (City)
15:10-15:30	Advances in compact wound components	David Hewitt (Sheffield) and Dr Rafal Wrobel (Bristol)
15:30-15:50	Integrated on-board battery charging	Ivan Subotic (Liverpool JMU)
15:50-16:00	Closing remarks	Prof Rob Thring + Prof Phil Mawby