

Transport Information Days

Brokerage event

18 July 2012

Sustainable Surface Transport



University of Lincoln - UK



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Activities: Research and Education

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SST Project Interest



GC.SST.2013-1 Efficient, safe, convenient solutions for grid and road integration of the electric vehicle

Smart grid interconnection, battery health and state of charge management and transient energy storage.

GC.SST.2013-2 Next generation electric motors

High power density, non-PMAC motors for an uncertain future supply of rare earth materials

GC.SST.2013-3 Future light electric vehicles

Modular light weight machines, converters and cooling for future light weight vehicles

We will also happily join consortia who can use our expertise

Expertise



- Integration and optimisation of range extenders
- Complete vehicle energy management
- Advanced energy simulator and testing for EVs
- Smart infrastructure and innovative services for EVs
- Logistics and co-modality, Automated urban vehicles
- Electrical Machines and Power converters

- Systems Modeling and Optimisation, Advanced Fuels and Combustion, Control and Simulation, Advanced Powertrains, Electrical Systems, Artificial Intelligence, Low Carbon Operation

Activities



- Battery state-of-charge and state-of-health monitoring technologies, temperature and load management.
- Optimisation of systems with multiple energy and power units,
- Power conversion, machines, electronics and integration
- Primary energy storage units and peak power buffers.

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