

**E-VECTOORC Dissemination Event – Agenda**  
**Heritage Centre, Gaydon**  
**28<sup>th</sup> August 2014**

**Organisers – Phil Barber, Nigel Clarke (Jaguar Land Rover)**  
**Valentin Ivanov (Ilmenau University of Technology)**  
**Aldo Sorniotti (University of Surrey)**

- 09:00** – Registration and coffee
- 09:30** – Welcome / timetable of the event (Jaguar Land Rover) – Phil Barber
- 09:45** – E-VECTOORC project and objectives overview (University of Surrey) – Aldo Sorniotti

**Session 1: Demonstrator vehicle construction**

- 10:00** – Vehicle requirements, architecture and build (Flanders' Drive) – Dirk Steenbeke
- 10:30** – Switched reluctance motors (Inverto) – John De Clercq, Kevin Verhaege

**Session 2: Safety and reliability aspects of fully electric vehicles**

- 11:00** – EMC testing for fully electric vehicles (ITA) – Javier Orus
- 11:30** – Functional safety for fully electric vehicles (Flanders' Drive, CIDAUT) - Yoann Descas
  
- 12:00** – Lunch / networking / questions
- Exhibition of the E-VECTOORC electric vehicle demonstrator (car park)

**Session 3: Direct yaw moment controllers**

- 13:00** – Objectives of the E-VECTOORC yaw moment controller and analyses based on the quasi-static model (University of Surrey) – Aldo Sorniotti
- 13:20** – Comparison of yaw moment controller formulations (University of Surrey, ViF) – Aldo Sorniotti, Bernhard Knauder
- 13:40** – Experimental results and benchmarking (University of Surrey, Jaguar Land Rover, Skoda Auto) – Aldo Sorniotti
  
- 14:00** – Break

**Session 4: Vehicle longitudinal dynamics and control**

- 14:20** – Friction brake system (by-wire) implemented on the vehicle demonstrator (TRW, Ilmenau University of Technology) – Thomas Puetz, Dzmitry Savitski
- 14:40** – Torsional vibration control of on-board electric drivetrains (ITA) – Javier Orus
- 15:00** – Regenerative braking and longitudinal slip control using electric machines (Ilmenau University of Technology, ITA) – Dzmitry Savitski

**Session 5: Closing remarks and open discussion of other projects related to E-VECTOORC**

- 15:20** – Other projects related to E-VECTOORC (University of Surrey) – Aldo Sorniotti
- 15:30** – Close