AGENDA - 18th October, 2022

Agenda is subject to change

SIMULATION DRIVING INNOVATION IN ELECTRIC PROPULSION

09:00 (BST)	**Welcome and Introduction**
	Keynote Session Introduced and Chaired by: Dr. Baljesh Mehmi, Sales Director, Altair
09:10 (BST)	**Delivering the Transportation Revolution with Intelligent Simulation Technologies** Jamie Buchanan Director of Product Design **Altair**
09:35 (BST)	**Live On-Stage Interview with Open Q&A** Richard Lively Director of Engineering - Chassis and Powertrain **Group Lotus**
10:00 (BST)	**Automotive Innovation and Digitalisation** Ian Constance Chief Executive Officer **Advanced Propulsion Centre**
10:25 (BST)	**The UK's Strategy and Capability in Hydrogen Technologies for Transport** Amanda Lyne Managing Director and Co-Founder **ULEMCo**
10:50 (BST)	**Break**
11:10 (BST)	**Gears and Motor Session** Introduced and Chaired by: Dr. Miloš Stanić, Senior Product Manager, Altair
11:20 (BST)	**The Multiphysics Platform for Motor Design** Dr. Farid Zidat Senior Application Engineer **Altair**
11:40 (BST)	**Fully Automated Optimization Engine for Advanced Modular E-Motor Platform Studies** Michael Heroth Development Engineer Electric Drive **ZF**
12:00 (BST)	**Multi-disciplinary Design Optimization Grand Challenge** Damien Vaillant Mechanical Calculations Manager **Alstom Transport**
12:20 (BST)	**Particle-Based CFD in the Electric Vehicle Drivetrain Component Design Process** Dr. Miloš Stanić Senior Product Manager **Altair**
12:40 (BST)	**Lunch**

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13:40 (BST)	**Batteries and Fuel Cells Session** Introduced and Chaired by: Nigel Taylor, Founding Director, BatteryDesign.net
13:50 (BST)	**Live On-Stage Interview with Open Q&A** Tony Harper Director **Faraday Battery Challenge**
14:15 (BST)	**Applying CAE Methods in Hydrogen Fuel Cell Development for Higher Volume Manufacture in a Growing Market** Greg Harris Chief Commercial Officer **Intelligent Energy**
14:35 (BST)	**Numerical Simulation of the Calendering Process for Lithium Ion Electrodes** Dr. Rachel Smith Senior Lecturer **The University of Sheffield** -- Ruihuan Ge Postdoctoral Research Associate **The University of Sheffield**
14:55 (BST)	Break
15:15 (BST)	**Systems Session** Introduced and Chaired by: Franck Delcroix, VP Model Based Systems, Altair
15:35 (BST)	**Unlocking the Potential of Soft Magnetic Composites in Axial Flux Machines Using ePOP** Bence Falvy Principal Engineer **Drive System Design**
15:55 (BST)	**Predicting Electric Vehicle Range Through Digital Twins** Selçuk Sever Principal Engineer – Architecture, Packaging, Virtual Series & Simulation **Switch Mobility**
16:15 (BST)	**LIVE DIGITAL TWIN DEMONSTRATION** **Disrupting the Battery Development Process with an Intelligent Digital Twin** Greg Scott Battery Mechanical Engineer **Danecca** -- Dr. Richard Boyd Technical specialist **Altair**
16:45 (BST)	**Summary and Close**