

Altair Technology Conference Agenda

08:00 Registration and Refreshments

09:00 Welcome

09:05 Welcome to the Age of Digital

KEYNOTE BY: Royston Jones, Exec VP European Operations & Global CTO

Development of New Virtual Methods and Processes

KEYNOTE BY: James Bishop, Head of Virtual Engineering

When Simulation Turns into Reality

KEYNOTE BY: Matt Collins, Head of Airframe Authority for Wing

Role of Simulation in Electric Vehicle

KEYNOTE BY: Peter Rawlinson, Chief Technology Officer and VP



10:50 Morning Break

Developing Ferrari's Next Generation Architecture with the C123 Concept Process

- Making simulation a collaborative partner for concept development
- Rapid exploration of vehicle architecture during the concept development phase

KEYNOTE BY: Andrea Merulla, CAE Manager



Vehicle NVH Design and Development at Jaguar Land Rover using NVH Director

- Meeting the challenges of NVH development across multiple vehicle architectures
- Robust engineering solutions – reducing development times and ensuring repeatability

Jon Harries, CAE Manager - Vehicle NVH



Robust Digital Design of Satellites - Changing the Economics of Space

- Multi-disciplinary simulation technology
- Significantly reducing development time

Chris Hamar, Head of Research Technology and Innovation



Landing Gear Assembly Design Optimisation

- Reducing development time through faster model build and analysis
- Leveraging integrated optimisation and systems tools

Xenofon Gogouvitis, R&T Project Leader / Platform One



12:30 Lunch

13:30 Artemis Racing uses Altair CAE

KEYNOTE BY: Iain Percy, Team Manager and Tactician



Lightweight and Compact Engines - Maximising the Potential of Additive Manufacturing

- 120 kg weight saving through optimisation
- A sign post to the future of lightweight engine design

KEYNOTE BY: Anthony Poncet, Incubator Powertrain Manager



Adventures with Composites, Optimisation and NVH

- Unlocking the flexibility of composites - Advanced solver technology with integrated optimisation
- Understanding macro properties from the micro-structure of composite laminates

Richard Brookes, CAE Lead



Lightweight and Bespoke Orthoses - Helping People get Mobile

- Scanning, 3D printing and validation through simulation
- 65% lighter than traditional designs

Naveed R. Parvez, CEO and Co-Founder



Improving Efficiency for A350XWB Wing Analysis

- One single model fit for multiple usage and supporting programme agility
- Increased accuracy and significant reduction in analysis time and cost

Birinder Sandhu, Non Linear FE Analysis Engineer

Paula Velazquez, HO Wing GFEM

Shaun McGuinness, Senior F&DT Lead Engineer Wing CPD



15:00 Afternoon Break

Design of Structural Components for the Next Generation UltraFan® Engine Architecture

- Multi-disciplinary optimisation techniques to deliver design innovation with a focus on reduced weight and fuel efficiency
- In-depth studies to identify removal of material to reduce weight without compromising performance

KEYNOTE BY: Dr Akin Keskin, Chief of Virtual Engine Design Systems



Classic Car Meets Future Technology: VW Caddy Fitted with 3D-Printed Front-end Structure

- Busting myths on heat distortion
- Future potential for Additive Manufacturing in body-in-white design

Stefan Herrmann, Project Manager Lightweight Design



Enablement of Next Generation Hybrid Structures through Optimization and Advanced Manufacturing

- A novel approach to coupling of hybrid composite/metallic structures
- Structural mass saving with improvement in performance and reduction in complexity

Martin Muir, Additive Technologies – Optimisation and Design Analytics



Electrical Vehicles – Early Body Development at Daimler

KEYNOTE BY: Lars Fredriksson (Altair), Business VP - Simulation Driven Innovation



16:20 Key HyperWorks Enhancements - The 'Unity' Interface, Future Development & Acquisition Strategy

KEYNOTE BY: Jeff Brennan, Chief Marketing Officer



16:50 Prize Draw & Close Altair Closing