REGISTRATION AND REFRESHMENTS

Exhibition and demonstrations

Welcome and opening remarks
Dr David Bott, Principal Fellow, WMG

Digital twin technology – a manufacturing perspective
Professor Darek Ceglarek, WMG

BREAK AND REFRESHMENTS
Exhibition and demonstrations

From concept to production implementation – the Remote Laser Welding (RLW) process for aluminium door assembly
Jaguar Land Rover speaker to be confirmed

OEMs perspectives and challenges – virtual tooling optimisation for multi-material and multi-joining processes
Jaguar Land Rover speaker to be confirmed

LUNCH AND NETWORKING
Exhibition and demonstrations

9:00

13:00 Mathworks CAE simulation suite – case in point from automotive and aerospace
Bulat Khusainov, Technical Specialist, Mathworks

13:45 ‘Variation Response Method’ CAE simulation suite – What is it?
Dr Pasquale Franciosa, Associate Professor, WMG

BREAK AND REFRESHMENTS
Exhibition and demonstrations

14:15 ‘Variation Response Method’ CAE simulation suite – Generating training data for deep learning
Dr Pasquale Franciosa, Associate Professor, WMG

14:30

15:30 Deep learning in manufacturing – predicting and preventing manufacturing defects
Sumit Sinha, PhD student, WMG

16:15 Wrap up and close
Professor Darek Ceglarek, WMG
Dr David Bott, Principal Fellow, WMG

16:30 END