# Agenda - Tuesday 6th November

| | Academia and Industry Innovation — Dowgate Room | Aerospace and Defence — Bishopgate Room | Automotive — Crippelgate Room | Semiconductor — Aldgate Room | Building an Automated Test System — Lower River Room | Developing an Automated Meaasurement System — Auditorium |
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| 09:00 | PLENARY KEYNOTE—FUTURE FASTER: TOMORROW'S TECHNOLOGIES MADE POSSIBLE TODAY | | | | | |
| 10:15 | Academia and Industry: Advancing Technology Together — Dr Charlotte Nicolaou, National Instruments | A 40-Year Aerospace and Defence Test Veteran — Remco Krul, National Instruments | The Automotive Industry Isn't Changing. It Already Has — Daniel Riedelbauch, National Instruments, & Guest Presenter | Lowering the Cost of Test While Improving Time to Market With a Platform-Based Approach — Joris Donders, National Instruments | What's New in LabVIEW 2018 and LabVIEW NXG — Razvan Boldis and Andreas Palmstrøm, National Instruments | |
| 10:45 | BREAK AND EXHIBITION | | | | | |
| 11:05 | What's New From NI for Academia? — Dr Charlotte Nicolaou, National Instruments | Testing Electronic and Electrical Systems — Saab | Developing an Assurance Case Argument for Highly Automated Vehicles — John Birch, HORIBA MIRA Ltd | InstrumentStudio™ Software for Interactive PXI Measurements — George Tsalavoutis, National Instruments | What Makes a Good Test Software Framework? — Phil Rawlings, Simplicity AI | Speed Up Software Development: The Increasing Power of Malleable VIs — Ashley Nunn, National Instruments |
| 11:50 | Student Showcase: How Projects Can Enhance Graduate Skills — Student Design Competition Finalists | Testing Earlier in the Life Cycle: Bridging the Gap Between Test and HIL — Colin Freeman, Frazer-Nash Consultancy | How Do You Test an Electric Vehicle? — Chris Garratt, Austin Consultants | NI Technology Deep Dive by NI Systems Engineering* *Topic to be defined by customers — George Tsalavoutis, National Instruments | Importance of Abstraction and Standardisation in Automated Test Systems — Jonathan Hobson, TBG Solutions | Uncovering the Mystery of Object- and Actor-Oriented Programming — Tom McQuillan, Scientifica |
| 12:35 | LUNCH AND EXHIBITION | | | | | |
| 13:25 | Bridging the Hardware-Software Divide for Postgraduate Researchers — Dr Gordon Flockhart, University of Strathclyde | Hardware-in-the-Loop Testing of Aerospace LRUs — Mattias Engström, Syncore Technologies — Anders Tunströmer, Saab | Testing Automated Driving Functions Using a Flexible XIL Approach — Anirudda Reddy, IPG Automotive | Improving the Semiconductor Design-to-Test Flow — George Zafiropoulos, National Instruments AWR Group, & Cadence Design Systems | Development Process of a Test System — Ben Carruthers-Watt, Renishaw | Integrating Other Hardware with an NI DAQ System — James McNally, Wiresmith Technology |
| 14:10 | Bridging the Valley of Death: Helping the UK Manufacturing Industry and University Research Work Together — Morgan Williams, The Manufacturing Technology Centre | Designing and Deploying SIGINT and Electronic Warfare Systems — Henrik Ulfhielm and Lars Hedlund, Novator Solutions | Open Hardware-in-the-Loop Platforms — Frank Heidemann, SET | Increasing Efficiency in Semiconductor Post-Silicon Validation Engineering — Ganesh Devaraj, Soliton Technologies | Power and Thermal Best Practices in Racked Test Systems — Chris Jones, National Instruments | Validating Physical Systems With FlexLogger™ — Andreas Jost, National Instruments |
| 14:55 | BREAK AND EXHIBITION | | | | | |
| 15:15 | Top Tips for Delivering a Successful Research Project: An Industry Perspective — Austin Consultants | Challenges in Standardisation, Maintenance and Through-Life Support — Erwan Lhermitte, Spherea UK | Utilising an Open HIL Platform to Contribute to a Multi-Vendor Application at Volvo — Simon Schoutissen, Volvo Cars | Words of Wisdom: Lessons Learned From NI STS Deployments — Sean Moynagh, Tessolve | Boosting Operational Efficiency With Distributed Systems Management — Matthew Ferguson, National Instruments | Best Practices for Interfacing NI Products with MathWorks Software — Dr Jeannie Falcon, National Instruments |
| 16:00 | PANEL DISCUSSION: Industry and Academia Collaboration Challenges | PANEL DISCUSSION: Differing Industries, Common Challenges—What Can Aerospace and Automotive Learn From Each Other? | | Insight Into NI's Semiconductor Roadmap Priorities* *NDA required — National Instruments | How to Collect and Analyze Test Data From Remote ATE — Tero Leppänen, Etteplan | Why I Cringe When Everyone Wants Data in Excel — James McNally, Wiresmith Technology |
| 16:45–17:30 | NETWORKING AND DRINKS RECEPTION | | | | | |