

# HBK Technology Days – Virtual Seminar Series

8, 15, 22 NOVEMBER 2022

Each seminar focuses on performance, durability or reliability requirements of a specific industry or application. They present applications of measurement, monitoring and modelling for electrical, acoustical and structural performance from batteries to bridges to aircraft landing gear and electric vehicles.





# Virtual Seminar Series

## TUESDAY 8 NOVEMBER

### **Electric Vehicle Batteries and Powertrain**

- Batteries Power the World - Battery Analytics Unleashes their Full Potential, TWAICE
- Lithium-ion Battery Cell Testing & Validation, Jaguar Land Rover
- Measuring Capacity Fading using Force Transducers, HBK Force Transducers
- Motor Degradation and Failure modes using Electrical Characteristics, HBK Electrification
- Acoustic Quality Assurance in Industrial Production End-of-Line, Discom



[Click here to find out more](#)

## TUESDAY 15 NOVEMBER

### **Structural Health Monitoring**

- Value of Information from SHM for Emergency Management, Politecnico di Milano
- From Bridge Inspection to Population Based SHM for Bridges, Queen's University of Belfast
- Optical Sensor Technology and Applications for Civil Structures, HBK FibreSensing
- Uncertainties and Risk Management for Certification of Machine Learning in SHM, Cranfield University

## TUESDAY 22 NOVEMBER

### **Reliability and Fault Trees**

- Building a Reliability Validation Plan for Electrified Powertrains, Jaguar Land Rover
- Statistical and Reliability Methods for Electric Vehicle System Reliability, HBK nCode
- How Fault Tree Analysis can help you Understand and Improve your System, HBK ReliaSoft
- Using Automation to Scale Advanced Reliability Analysis and Digital Twins, HBK Engineering Solutions

**HBK – Hottinger, Brüel & Kjær**

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[info@hbkworld.com](mailto:info@hbkworld.com)