

## Day 1 - Tuesday 17th November 2020

08:00 Registration and welcome refreshments.

08:50 Housekeeping by Mark Andrews, Conference Chair

### Autonomous Transport & Delivery: LiDAR / Sonics / Digital Cameras

#### PANEL SESSION

09:00 Enabling full situation awareness with 3D semantic cameras

*Presented by Raul Bravo - Oversight*

#### PANEL SESSION

09:20 All roads lead to advanced semiconductors materials or Driving Materials Technology

*Presented by Mark Furlong - IQE*

#### PANEL SESSION

09:40 AI enabled sensor data analysis for autonomous vehicles

*Presented by Manoj CR - Tata Consultancy Services*

#### PANEL SESSION

10:00 Design insights in the quest for viable automotive LiDAR

*Presented by Bill Collieran - Lumotive*

#### PANEL SESSION

10:20 LiDAR, ADAS and the Autonomous Shuttles of Tomorrow

*Presented by Heinz Oyrer - LeddarTech*

10:40 Morning Break - Sponsored by Hewlett Packard Enterprise

#### PANEL SESSION

11:05 Short-Wave Infrared Breaking the Status Quo - Identifying Hazards on the Road and Solving the Low Visibility Challenge

*Presented by Ziv Livne - TriEye*

#### PANEL SESSION

11:25 Sunshine, tunnels, bridges – the state of the art of automotive vision in difficult lighting

*Presented by Ronald Müller - Vision Markets*

#### PANEL SESSION

11:45 The new generation of MEMS LiDAR for autonomous transport

*Presented by Florian Petit - Blickfeld*

#### PANEL SESSION

12:05 The race to a low-cost LIDAR system

*Presented by Dexin Chen - IHS Markit*

12:25 Lunch Break - Sponsored by Hewlett Packard Enterprise

#### PANEL SESSION

13:40 Edge Perception: the Fast Lane to Safety for AVs

*Presented by Barry Behnken - AEye*

#### PANEL SESSION

14:00 Silicon Eats Industries, Lidar Is Next

*Presented by Angus Pacala - Ouster*

#### PANEL SESSION

14:20 Photonics & Sensing – An automated assembly & test equipment manufacturer's view

*Presented by Ignazio Piacentini - ficonTEC*

#### PANEL SESSION

14:40 Next Generation 3D Flash Lidar

*Presented by Amr Eltaher - Hybrid LIDAR*

#### PANEL SESSION

15:00 Addressing difficult "edge-cases" with high-resolution, FMCW LiDAR

*Presented by Chris Wood - Insight Lidar*

15:20 LIDAR: Challenges and opportunities

*Lumotive, Blickfeld, LeddarTech, and EPIC*

**PANEL SESSION**

16:10 **Developments in the high-end inertial sensor market for harsh environments**

*Presented by Dimitrios Damianos - Yole Développement*

**PANEL SESSION**

16:30 **Nanoimprint Lithography for Optical Sensing – Because Size Matters**

*Presented by Martin Eibelhuber - EV Group*

**PANEL SESSION**

16:50 **Extended temperature range Solid State Batteries for Industrial IoT**

*Presented by Denis Pasero - Ilika Technologies*

**PANEL SESSION**

17:10 **Ultra-high efficiency photovoltaic energy harvesting for challenging environments**

*Presented by Mathieu Bellanger - Lightricity*

**PANEL SESSION**

17:30 **Fibre Optic Sensing for Extreme Environments**

*Presented by Alex Tongue - Sensuron*

17:50 **Will Silicon Photonics, Compound Semiconductors or Hybrids Shape the Future of Harsh Environment Sensing?**

18:20 **Closing Remarks**

18:25 **Networking Drinks Reception**

## Day 2 - Wednesday 18th November 2020

08:00 Registration and welcome refreshments.

08:50 Housekeeping by Mark Andrews, Conference Chair

### Edge Data Analytics: AI / Machine Learning / Big Data/Digital Prototyping

#### PANEL SESSION

09:00 **Cloud Engineering Simulation - A Game Changer for MEMS and Sensor Engineers**  
*Presented by Ian Campbell - On-Scale*

#### PANEL SESSION

09:20 **Software and AI boosting MEMS sensor technology for next generation IoT devices**  
*Presented by Wolfgang Schmitt-Hahn - Bosch Sensortec*

#### PANEL SESSION

09:40 **Harnessing data to bring ADAS to the mainstream**  
*Presented by Dennis Hamann - Renovo*

#### PANEL SESSION

10:00 **Sensors, Data and the IIoT journey to maturity**  
*Presented by Alex West - IHS Markit*

10:20 Morning Break - Sponsored by Hewlett Packard Enterprise

### Healthcare & Wellness: Wearables / Portables / Fixed Diagnostics

#### PANEL SESSION

10:50 **Digital Olfaction: The next innovation in wearable technology**  
*Presented by Tristan Rousselle - Aryballe*

#### PANEL SESSION

11:10 **Functional printing inks for smart sensor solutions**  
*Presented by Inge van der Meulen - Henkel*

#### PANEL SESSION

11:30 **Integrated Photonics: Enabler of disruptive innovation in Healthcare**  
*Presented by Giuseppe Coppola - Photon Delta*

11:50 Lunch Break - Sponsored by Hewlett Packard Enterprise

#### PANEL SESSION

13:55 **Piezo film sensors for vital signs detection**  
*Presented by Richard Brown - TE Connectivity*

#### PANEL SESSION

14:15 **Next generation health devices: from wearables over invisibles to ingestibles**  
*Presented by Nick Van Helleputte - IMEC*

#### PANEL SESSION

14:35 **Presentation Title to be Confirmed - ST Microelectronics**  
*Presented by ST Microelectronics*

14:55 Closing Remarks

