



**MEMS & SENSORS<sup>®</sup>**  
**Technical Congress**

Co-located with



February 19-20, 2019 | Hyatt Regency | Monterey, California

## Agenda

### SENSOR SYSTEMS ENABLING AUTONOMOUS MOBILITY

#### Tuesday, February 19, 2019

7:00-8:30	Welcome Breakfast, Registration, Check-in
8:00-8:30	FLEX/MSTC Welcome Remarks
8:30-9:00	Keynote: Dragos Maciuca, Ph.D., Technical Director, Palo Alto Research and Innovation Center, <b>Ford Motor Company</b>
9:00-9:30	Keynote: Jason Jelinek, Software Technical Manager, <b>John Deere Electronics Solutions</b>
9:40-10:30	Break
10:30-11:00	Keynote: Carl Vause, Chief Executive Officer, <b>Soft Robotics Inc.</b>
11:00-11:30	Keynote: John A. Rogers, Louis Simpson & Kimberly Querrey Professor, Materials Science & Engineering, Neurological Surgery Rogers Research Group, <b>Northwestern University</b>
11:30-12:00	Keynote: Andrea Onetti, Analog and MEMS Group (AMG) Vice President - MEMS SENSOR Division General Manager, <b>STMicroelectronics</b>
12:00-12:30	Keynote: Nadia Shakoor, Senior Research Scientist, Associate Director TERRA REF, <b>Danforth Plant Science Center</b>
12:30-1:50	Lunch
<b>MSTC 2019: End To End Solutions: 1:50pm-4:00pm</b>	
1:50-2:00	Welcome & Introduction
2:00-2:30	Scott Jones, Principal, Strategy, KPMG LLP
2:30-3:00	Jay Esfandyari, Ph.D., Senior Manager, MEMS Sensors, STMicroelectronics <b><i>Integrated Programmability Propels MEMS IMUs to the next Level of Innovation</i></b>
3:00-3:30	Peter Hartwell, Ph.D., Chief Technology Officer, TDK InvenSense, Inc. <b><i>Sensors: where reality meets virtual</i></b>
3:30-4:00	Tim Menasveta, Senior Product Manager, ARM <b><i>Machine intelligence on resource-constrained edge devices</i></b>
4:00-6:00	Networking Reception



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### Wednesday, February 20, 2019

7:00-8:30	Welcome Breakfast, Registration, Check-in
<b>MSTC 2019: Smart Transportation 8:30am- 12:00noon</b>	
8:30-8:35	Welcome and Introduction
8:35-9:05	Keynote Speaker: Hans Stork, Ph.D., CTO, ON Semiconductor <b><i>Smart semiconductor sensors to enable eyes-off autonomous driving</i></b>
9:05-9:35	Becky Oh, President and CEO, PNI Sensor <b><i>It's no longer just about the sensor</i></b>
9:35-10:25	Break
<b>Smart Transportation Continued</b>	
10:25-10:30	Session Moderator
10:30-11:00	Tony Zarola, General Manager of Inertial Sensors, Analog Devices <b><i>Inertial Sensors Are Breaking Through the Autonomous Vehicle Hype Cycle</i></b>
11:00-11:30	Nancy Ranxing Li, Ph.D., Product Manager, Verizon <b><i>The sensor systems to reduce traffic death</i></b>
11:30-12:00	Angela Suen, Head of Marketing, Fabu <b><i>Sensors in Autonomous Driving</i></b>
12:00-1:30	Lunch
<b>MSTC 2019: Enabling Sensors Technology: 1:30pm-3:05pm</b>	
1:30-1:35	Session Moderator
1:35-2:05	Greg Lebsack, General Manager, Mentor, a Siemens Business <b><i>Beyond the sensor: integrated co-design of MEMS/IC</i></b>
2:05-2:35	Michael Gaitan Ph.D. COR, Force and Mass Group, National Institute of Standards and Technology <b><i>Inertial Calibration Protocols for MEMS 3-Axis Accelerometers</i></b>
2:35-3:05	Ken Foust, Platform Manager, Intel Corporation <b><i>Motivations for MIPI I3C, Its Impact and Where It's Going</i></b>
3:05-4:00	Final Break
<b>MSTC 2019: Emerging Technologies: 4:00pm-5:45pm</b>	
4:00-4:05	Session Moderator
4:05-4:35	Yun-Soung Kim, Ph.D., Research Fellow, Georgia Institute of Technology <b><i>Wireless Skin-Like Electronics (SKINTRONICS) for Persistent Human-Machine Interfaces</i></b>
4:35-5:05	Kristofer Pister, Ph.D., UC Berkeley, EECS <b><i>Autonomous Microsystems: Smart Dust, Smart Factories, and Micro Robots</i></b>
5:05-5:35	Mallik P. Moturi, Ph.D., Vice President of Product, Syntiant Corporation <b><i>Moving Cloud- and Deep-Level Performance into Always-On Devices with Analog Neural Networks</i></b>
5:35-5:45	Closing Remarks