



# MEMS & SENSORS<sup>®</sup>

## Technical Congress

Co-located with



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

### AGENDA: SENSOR SYSTEMS ENABLING AUTONOMOUS MOBILITY

### ROOM

#### Monday, February 18, 2019

5:30pm to 6:30pm	FLEX/MSTC Welcome Reception	REGENCY TERRACE
------------------	-----------------------------	-----------------

#### Tuesday, February 19, 2019

7:00-8:30	Welcome Breakfast	REGENCY FOYER
	<b>KEYNOTE SESSION (FLEX + MSTC)</b>	<b>MONTEREY BALLROOM</b>
8:00-8:10	Welcome & Introductions: Dave Anderson, President, SEMI Americas	
8:10-8:30	A Beautiful Partnership: SEMI & You: Ajit Manocha, President & CEO, SEMI	
8:30-9:00	Keynote: Dragos Maciuca, Ph.D., Technical Director, Palo Alto Research and Innovation Center, Ford Motor Company <b><i>An OEM Perspective on the Changing Automotive Sensor Landscape</i></b>	
9:00-9:30	Keynote: Jason Jelinek, Software Technical Manager, John Deere Electronics Solutions: <b><i>Autonomy in Agriculture</i></b>	
9:40-10:30	Morning Break	EXHIBIT HALL
<b>10:30-11:00</b>	Keynote: John A. Rogers, Louis Simpson & Kimberly Querrey Professor, Materials Science & Engineering, Neurological Surgery Rogers Research Group, Northwestern University <b><i>Soft Electronic and Microfluidic Systems for the Skin</i></b>	
<b>11:00-11:30</b>	Keynote: Andrea Onetti, Analog and MEMS Group (AMG) Vice President - MEMS SENSOR Division General Manager, STMicroelectronics <b><i>Accuracy enables MEMS sensor pervasion</i></b>	
<b>11:30-12:00</b>	Keynote: Nadia Shakoor, Senior Research Scientist, Associate Director TERRA REF, <b>Danforth Plant Science Center</b>	
<b>12:00-12:30</b>	<b>Keynote Panel Discussion:</b> Melissa Grupen-Shemansky, SEMI and Stephen Whalley, Strategic World Ventures	
12:30-1:50	Lunch	GARDEN TERRACE
	<b>MSTC 2019: SESSION 3: End To End Solutions: 1:50pm-4:00pm</b>	<b>SPYGLASS</b>
1:50-2:00	Welcome & Introduction: Carmelo Sansone, Director of MEMS and Sensors Industry Group, SEMI	
2:00-2:30	Scott Jones, Principal, Strategy, KPMG LLP <b><i>Seismic shifts driving the market for MEMS and Sensors</i></b>	
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 Learning on Deeply Embedded, Resource-Constrained IoT End-Nodes</i></b>	
4:00-6:00	Networking Reception	EXHIBIT HALL



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

**AGENDA: SENSOR SYSTEMS ENABLING AUTONOMOUS MOBILITY**

**Wednesday, February 20, 2019**

**ROOM**

7:00-8:30	Welcome Breakfast	<b>REGENCY FOYER</b>
<b>MSTC 2019: SESSION 4: Smart Transportation 8:30am- 12:00noon</b>		<b>SPYGLASS</b>
8:30-8:35	Welcome and Introduction: Steve Whalley, CEO, Strategic World Ventures	
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	Morning Break	<b>EXHIBIT HALL</b>
<b>MSTC 2019: SESSION 4: Smart Transportation- Continued</b>		<b>SPYGLASS</b>
10:25-10:30	Session Moderator: Steve Whalley, CEO, Strategic World Ventures	
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	Balaji Sundaram, Principal, Enterprise IoT for Smart Cities, Campuses & Venues, Verizon Enterprise Solutions <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>GARDEN TERRACE</b>
<b>MSTC 2019: SESSION 5: Enabling Sensors Technology: 1:30pm-3:05pm</b>		<b>SPYGLASS</b>
1:30-1:35	Session Moderator: Jason Weigold, President and CEO, MEMStaff Inc.	
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	Afternoon Break	<b>EXHIBIT HALL</b>
<b>MSTC 2019: SESSION 6: Emerging Technologies: 4:00pm-5:45pm</b>		<b>SPYGLASS</b>
4:00-4:05	Session Moderator: Venkataraman Chandrasekaran, Sr. Manager, Technology Strategy, Knowles Corporation	
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., EECS, UC Berkeley <b><i>Autonomous Microsystems: Smart Dust, Smart Factories, and Micro Robots</i></b>	
5:05-5:35	Sean McGregor, PhD, Member of Technical Staff, 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: Carmelo Sansone, Director of MEMS and Sensors Industry Group, SEMI	