

FINAL AGENDA
SENSORS EXPO 2018
PRECONFERENCE ALL-DAY WORKSHOP
SAN JOSE MCENERY CONVENTION CENTER
SAN JOSE, CALIFORNIA ...JUNE 26, 2018
9:00 a.m.-5:00 p.m.

COMMERCIALIZATION OPPORTUNITIES FOR
PRINTED/FLEXIBLE/STRETCHABLE AND FUNCTIONAL FABRIC SENSORS
AND SENSOR-BASED SYSTEMS FOR IOT AND WEARABLES

SESSION ORGANIZER: ROGER H. GRACE, ROGER GRACE ASSOCIATES
(RGRACE@RGRACE.COM)

A.M. SESSION

9:00 -9:25 R. Grace, Roger Grace Associates, Welcome and Introduction to Commercialization Opportunities for Printed/Flexible/Stretchable and Functional Fabric Sensors and Sensor-Based Systems for IoT and Wearables (CHAIRMAN)

9:25-9:55 E. Spackey, Advanced Functional Fabrics of America (AFFOA), AFFOA: Addressing Commercialization Challenges of Functional Fabrics, Electronics (KEYNOTE)

9:55-10:20 S. Lee, TacSense, Printed/Flexible/Functional Fabric Sensors Using Supercapacitive Technology

10:20 -10:30 BREAK

10:30 -10:55 H. Long, Berkeley Sensor & Actuator Center (BSAC), Non-Enzymatic Electrochemical Sensors Based on Wearable Carbon Textile

10:55-11:20 M. Macagno, Sensoria, Microelectronics + Flexible and Textile Sensor Application to Garment and Footwear Enabling the Internet of Me

11:20-11:45 A. Hartzell, Veryst Engineering, The Role of Reliability in Functional Fabric Sensors for High Volume Applications

11:45 -12:10 M. Maher, SoftMEMS, Design and Manufacturing Challenges for Flexible, Hybrid, Printed Systems Incorporating MEMS Sensors

P.M. SESSION

12:10-12:55 LUNCH

12:55-1:00 R. Grace, Roger Grace Associates, Introduction to the Afternoon Session

1:00-1:30 G. Auner, Wayne State University, Recent Advances in Wearable Biomonitoring Devices (KEYNOTE)

1:30-1:55 L. Spangler, Aspen Microsystems, Packaging and Assembly Challenges for Sensor-Based Systems Using Flexible, Hybrid Printed Materials

1:55-2:20 S. Xu, University of California San Diego, Wearable Sensors for Healthcare: From the Skin to Below the Skin

2:20-2:45 S. Reese, Bend Labs; D. Marriott, Spectra Symbol; Bringing Flexible Sensors for Medical Wearables to Market: A Case Study

2:45-2:55 BREAK

2:55-3:20 R. Podoloff, Tekscan, Head-to-Toe Applications of Printed Tactile Sensors

3:20-3:45 R. Potyrailo, GE Global Research, Ubiquitous Wearable and Disposable Chemical and Biological Sensors: Market Demands and innovative Technology Solutions

3:45-4:15 M. Wei et al., Berkeley Sensor & Actuator Center (BSAC), Foldable Paper Electronics by Direct-Write Laser Patterning

4:15-4:40 C.N. McLeod et al., Pressure Profile Systems, Spray Pattern and Pressure Sensing Using Novel Capacitive Array Sensors

4:40-5:00 R. Grace, Roger Grace Associates, Workshop Summary and Conclusions