

2019 Medical Electronics Symposium - Cleveland, Ohio

Tuesday, May 21, 2019

TIME	
7:00am	REGISTRATION OPENS - Day 1
8:00am-8:15am	Opening Remarks
	Session 1: Medical Electronics Industry Information and Trends: Involving Innovation, Commercialization, Data Analysis General Chair: Nicholas Leonardi, EBD Experts/SMART Microsystems
8:15am-9:00am	KEYNOTE: From Health Data to Insights and Care that Improve Patients Lives John Knickerbocker, Ph.D., IBM Corporation
9:00am-9:30am	Data Driven Health Hazard Evaluation for a Medical Device Benson Babu, Philips Healthcare
9:30am-10:00am	Innovation Interludes...The Power of Diversity Todd Zielinski, Minneapolis Heart Institute
10:00am-10:30am	REFRESHMENT BREAK
	Session 2: Advancements on Passives, Integrated Circuits (I.C.s), Sensors and MEMS Devices for Medical Electronics Technical Co-Chair: Paul Gill, Abbott
10:30am-11:00am	Custom IC Design- The Missing Piece to the Medical MEMS Development Puzzle Andy Kelly, Cactus Semiconductor Inc.
11:00am-11:30am	Deriving Clinical Value from Wearable Sensors to Assess Human Performance Dhruv Seshadri, Case Western Reserve University
11:30am-12:00pm	Isolation Challenges in Integrated Passive Devices for Medical Applications Nicolas Normand, Murata
12:00pm-1:15pm	LUNCH BREAK
	Session 3: Designing for Manufacture, Assembly and Materials for the Next Generation of Medical Electronic Devices Technical Co-Chair: Peter Tortorici, Medtronic
1:15pm-2:00pm	KEYNOTE: Designing for the Future of Healthcare Charles Steiner, Cleveland Clinic
2:00pm-2:30pm	Importance of Design for Manufacturing for Medical Electronic Assembly Mike Labbe, Valtronic
2:30pm-3:00pm	Ultra-Miniaturized Packaging Technologies for Implantable or In Vivo Medical Electronic Devices, Electrodes and Sensors Susan Bagen, MST
3:00pm-3:30pm	REFRESHMENT BREAK
	Session 4: Leveraging the Evolution of Medical Devices in Current and Future Applications of Patient Therapies Technical Co-Chair: Virginia Woods, Ph.D., Abbott
3:30pm-4:00pm	From Restoring Movement in Quadraplegia to Rehabilitating Stroke: Leveraging AI and Electronics Advancements Across the Medical Landscape Richard Brooks, Battelle NeuroLife
4:00pm-4:30pm	Evolution of Electronics for Medical Device Applications: Future Applications and Needs Peter Tortorici, Ph.D., Medtronic
4:30pm-5:00pm	Patient-Centric Innovations for Neuromodulation Therapies Shelley Stracener, Abbott
	Day 1 Concludes

Wednesday, May 22, 2019

TIME	
7:30am	REGISTRATION OPENS - Day 2
	Session 5: Materials and Processes to Improve Surface Conditions and Reduce Contamination in Medical Devices Session Leader: Greg Vance, Rockwell Automation
8:30am-9:00am	Assessing and Reducing Contamination Risks on Medical Electronics Hardware Mike Bixenman, DBA, Magnaltix LLC
9:00am-9:30am	Advanced Packaging and Protection of Medical Electronics Rakesh Kumar, Ph.D., Specialty Coating Systems
9:30am-10:00am	Controlling Surface Sensitive Processes in Microelectronics Manufacturing to Improve Wire Elizabeth Kidd, BTG Labs
10:00am-10:15am	REFRESHMENT BREAK
	Session 6: Next Generation of Assembly Materials, End Products and Medical Electronics Technology Trends Session Leader: Gary Tanel, Libra Industries
10:15am-10:45am	Reliability Investigations on Polyimide Based PWB Including Three IC Chips Embedded in the Vertical Shunsuke Sato, Fujikura Ltd.
10:45am-11:30am	Smart Clothing Technology for Healthcare Applications Srijanani Bhaskar, Ph.D., DuPont Advanced Materials
11:30am-12:00pm	Medical Electronics Commercialization and Connectivity (IoT): Major Players and Industry Trends Nicholas Leonardi, EBD Experts/SMART Microsystems
12:00pm	Conference Concludes