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2018 Medical Electronics Conference: Wednesday, May 16		
7:30am - 8:25am	Registration / Networking / Breakfast - (Room 11.214/18/606)	
8:25am - 9:10am	Keynote: Sensors for Medical Applications: Unlocking the Value <i>John Burnes, Medtronic</i> (Room 1.606)	
	TRACK 1: Designs, Components and Assembly for High-Density Medical Electronics Solutions (Room 11.210) Track Chairs: Peter Tortorici, Ph.D. Medtronic Microelectronics Center Dale Lee, Plexus Corp Dock Brown, DfR Solutions	TRACK 2: Next Generation Microelectronics for Changing Healthcare Markets (Room 11.206) Track Chairs: Don Banks, Abbott Glenn Robertson, Processes Science Incorporated
	Session 1 How Flex and Flex-Rigid PCBs Help Developing Smart Integrated Systems for Medical Devices <i>Markus Wille, Schoeller Electronics Systems GmbH</i>	Session 2 Development of a Non-Invasive Blink Reflexometer <i>Nancey Trevanian Tsai, Medical University of South Carolina</i>
9:15am - 9:45am	Highly Reliable Miniaturized Multilayer Polyimide PWB Embedded with Triple-stack IC Chips <i>Yoshio Nakao, Fujikura Ltd.</i>	Validating the Clinical Utility of Emerging Biomedical Sensors for Medical Applications <i>Dhruv Seshadri, Case Western Reserve University</i>
9:50am - 10:20am	Coffee & Exhibitor Break (Room 11.214/18)	
	Session 3 Ceramic Capacitor Reliability in Medical Devices <i>Dock Brown, DfR Solutions</i>	Session 4 X-Ray Inspection for the Electronics Industry – Recent Advances and Real-Life Cases <i>Evstati Krastev, Ph.D., Nordson Dage</i>
	Session 5 Silicon Technology Selection for Implantable Medical Device ASICs <i>Andy Kelly, Cactus Semiconductor Inc.</i>	Session 6 Medical Device Design: The Basics and Lessons Learned <i>Robert Benkowski, DesignPlex Biomedical LLC</i>
10:55am - 11:25am	Lunch & Exhibitor Break (Room 1.606)	
11:30am - 12:00pm	Keynote: Robotic Surgery: Where Are the Opportunities? <i>Kemp Kerstine, M.D., Ph.D., UT Southwestern</i> (Room 1.606)	
	Session 5 Designing PCBs for High Reliability Use in Class II and III Medical Products <i>Kathy Nargi-Toth, Eltek USA</i>	Session 6 Reconfigurable Hybrid Interface for Molecular Marker Diagnostics and In-Situ Reporting <i>Leonidas Bleris, Ph.D., University of Texas at Dallas</i>
	Session 7 Medical Device Program Risk Assessment <i>Kirk Olson, Creation Technologies</i>	Session 8 Engineered Polymer Interfaces for Flexible (bio)Electronics, 3D Printing and the Internet of Things <i>Walter Voit, Ph.D, University of Texas at Dallas</i>
1:05pm - 1:50pm	Coffee & Exhibitor Break (Room 11.214/18)	
1:55pm - 2:25pm	Measuring the Impact of Ionic Contamination on the Reliability of Medical Hardware <i>Mike Bixenman, DBA, KYZEN Corporation</i>	Low Voltage Diode Protection for Medical Applications <i>Nicolas Normand, Murata</i>
2:30pm - 3:00pm	The Impact of Process Residues on Medical Hardware <i>Terry Munson, Foresite</i>	Next Generation Stretchable Materials <i>Ken Araujo, NAMICS Corporation</i>
3:00pm - 3:30pm	Coffee & Exhibitor Break (Room 11.214/18)	
3:35pm - 4:05pm	Exhibitor Reception (Room 11.214/18)	
4:10pm - 4:40pm		
4:45pm - 6:00pm		

6:05pm-7:35pm

Facility Tour: UT Dallas Lab Tours

2018 Medical Electronics Conference: Thursday, May 17

7:15am-8:00am

Registration / Networking / Breakfast - (Room 11.214/18/606)

8:00am - 8:45am

Keynote: Sensorizing & Connecting Medical Devices
Cory Forbes, NyPro/Jabil
(Room 1.606)

9:00am - 9:30am

Session 9
Understanding Medical Device Engineering
Albert DeWeese, Good Automation

Session 10
Mass Manufacturing of Hermetically Sealed Implantable Electronics
Rob Rennaker, Ph.D., Bioengineering at Erik Jonsson School of Engineering, Texas Biomedical Device Center

9:35am - 10:05am

Why and How to Validate Test Equipment
Albert DeWeese, Good Automation

Shape Morphing Electronics – Towards Robust and Responsive Bioelectronic Devices
Taylor Ware, The University of Texas at Dallas

10:10am - 10:50am

Coffee & Exhibitor Break (Room 11.214/18)

10:55am - 11:25am

Session 11
How to Prepare for the EU's New 2020 Medical Device Regulation
Deborah Munro, Munro Medical, LLC

Session 12
Technology is inviting the Patient onto the Care Team
Maria Schneider, Dynofit, Inc.

11:30am - 12:00pm

European Single Market and the Medical Devices Directive
Deborah Munro, Munro Medical, LLC

Medical Device Cyber Security
Derrick Bommarito, Good Automation

12:05pm-12:35pm

iNEMI Panel Discussion (Room 1.606)
Medical Electronics: Challenges and Opportunities

Moderator:

Jan Vardaman, TechSearch

Panelists:

Don Banks, Abbott

Dale Lee, Plexus

Robert Rennaker, Ph.D., The University of Texas at Dallas

Peter Tortorici, Ph.D., Medtronic Microelectronics Center

Walter Voit, The University of Texas at Dallas