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9:45-11:45am	S4-D Oil &Gas	Needs/Applic	ations		
9:45am	S4-D1	Nyholt	John	American Petroleum Institute	"Passive Wireless Sensor Needs in Oil & Gas Asset Integrity Management"
10:15am	S4-D2	Ohodnicki	Paul	DOE/NETL	"Functionalized SAW Sensors for Chemical Sensing in Fossil Energy Applications"
10:45am	S4-D3	Lafferty	Dave	Scientific Technical Services	"Realizing Value From Passive Wireless Sensing"
11:15am	S4-D4	Panfil	Michael	Aon Risk Solutions	Sensors for Fire and Explosion in the Waste Management Process
12:30-1:10pm	WiSEE Keynote	Tentzeris	Manos	Georgia Tech	"Inkjet-/3D-/4D- Printed Wireless Ultrabroadband mmW Modules:"
1:15-3:15pm	S5-C Extreme Env	Technology			
1:15pm	S5-C1	Griffin	Ben	Sandia Nat Labs -> DARPA MTO	"Aluminum Nitride Enabled MEMS for Near-Zero Power Wakeup and High Temperature Capable Sensing"
1:40pm	S5-C2	Fraley	John	Wolfspeed/CREE	"Additive Manufacturing Approaches for Harsh Environment Telemetry"
2:05pm	S5-C3	Senesky	Debbie	Standford Univ	"Tiny-but-Tough" Gallium Nitride Nanoelectronics for Extreme Harsh Environments
2:30pm	S5-C4	Brogan	Jeffery	CVD Equipment/Mesoscribe	"MesoPlasma™ Printed Instrumentation for High Temperature Applications"
2:55pm	S5-C5	Mays	Owen	Lawrence Livermore Nat Lab	"Integrated Passive Antenna/Sensor Structures"
	S5-C5 Co-Presenter	Carranza	Susana	Makel Engineering	"Integrated Passive Antenna/Sensor Structures"
1:15-3:15pm	S5-D Elect Grid/Buildings	Needs/Applications			
1:15pm	S5-D1	Kuruganti	Теја	DOE/ORNL	"Building Monitoring Needs for PWS Technologies"
1:40pm	S5-D2	Lopez	Steven	Elect Power Research Institute	"Nuclear Power Plant Modernization and the Advanced Use of Wireless Sensors"
2:05pm	S5-D3	Morris	Ken	Knectiq	"Eavesdropping, Packet Inspection and other wireless sensor security matters"
2:30pm	S5-D4	lanotti	Joe	GE Global Research	"Passive Wireless Sensing Technology (PWST) - From Research to Reality
2:55pm	S5-D5	Greene	Tom	Applied Engineering, Inc.	"Vapor Intrusion and Groundwater Sensor Needs"
3:40pm-5:45pm	S6-C Passive RFID	Technology			
3:40pm	S6-C1	Nagarajan	Ramaswamy	Univ Massachusetts, Lowell	"Printed Wireless Sensors for Structural Health Monitoring"
4:05pm	S6-C2	Wang	Yang	Georgia Tech	"Passive Wireless Strain Sensing through RFID"
4:30pm	S6-C3	Chiao	J.C.	Univ of Texas, Arlington	"Miniature Batteryless Wireless Sensors"
4:55pm	S6-C4	Grove	Geoff	Pilgrimscrew, Inc	"Opportunities for PWS in Aerospace Quality Bolted Assemblies"
5:20pm	S6-C5	Wagner	Ray	NASA/JSC	"Internal Radio-Frequency Instrumentation System(IRIS): RFID-Enabled Wireless Vehicle"
3:40-5:40pm	S6-D 3D Printed	Technology			
3:40pm	S6-D1	Aytug	Tolga	DOE/ORNL	"High Surface Area Nanostructured Films for Surface Acoustic Wave (SAW) Sensors"
4:05pm	S6-D2	Morales-Rodg	Marissa	DOE/ORNL	"Fabrication of Printed Passive Wireless Surface Acoustic Wave Sensors by Aerosol Jet System"
4:30pm	S6-D3	Church	Ken	nScrypt	"Direct Digital Manufacturing for Next Generation Electrically Functional RF Structures"
4:55pm	S6-D4	Zenou	Michael	I-O Tech	"Laser Assisted Deposition for Metals, Ceramics and Polymers"
	S6-D4 Co-Presenter	Javice	Herve	I-O Tech	"Laser Assisted Deposition for Metals, Ceramics and Polymers"
5:20pm	S6-D5	Friedt	Simon	Nano Dimension USA	"Additive Manufacturing of Multilayer and Non-planar Electronics."
6:30pm	Banquet	Lightfoot	Robert	Pres LSINC/former Acting NASA Admini	"Becoming a Risk Leader"
	Thursday - Dec 13	Last	First	Organization	Topic
8:00-8:40am	SSP Keynote	Mishra	Dr. Amitbh	US Army CERDEC/Univ of Delaware	"Communication in Extreme Environments-Recent Advances"
8:40-9:20am	STINT Keynote	Israel	David	NASA/GSFC	"A Space Mobile Network"
9:35-10:45am	S7-C - AM Vision	Technology			
9:35am	S7-C1	Werkheiser	Niki	NASA/MSFC-In Space Mfg	"In-Space Manufacturing (ISM) Project with an emphasis on Printed Electronics"
10:00am	S7-C2	Germann	Bryan	Optomec	"Direct Write of Non-Planar & 3D Sensors & Antenna using Optomec's Aerosol Jet Technology"
10:25am	S7-C3	Datskos	Panos	DOE/NREL	"Advantages of 3D Printed Graphene for PWS Sensors/Antennas"
9:35-10:45am		Technology			
9:35am	S7-D1	Willemsen	Balam	Resonant	"Fast, highly accurate, full-FEM SAW simulation"
10:00am	S7-D2	Sato	Yuki	Keio University	"Multiple Subcarrier Multiple Access: A Frequency Efficient Concurrent Wireless Access Method for Backscatter Se
10:25am	S7-D3	Reindl	Leo	IMT-Univ Freiberg	"Recent achievements in wireless sensing technology at the IMTEK - University of Freiburg"
10:50-12:00	S8-C & D One-on-Ones			One-on-One Sessions	User have Tables, Technology Developers sign up for 15 minute sessions at the conference
12:00-1:00pm	Lunch				
1:00-4:30pm	MSFC Tour				Buses leave at 1 pm (limited attendance - sign up early)
1:00-2:30pm	Room D: Panel and Discuss			Passive Wireless Sensor Applications for	r WAIC Consideration"
1.00 ( ) 7	PWST Impact WAIC Req		Steven	Moderator: WAIC RTCA/Zodiac	
1:00-4:15pm	Room C: Panel & Discussion				help move Passive Wireless Sensor Systems into key market applications
1:00-2:30pm		McIntyre	Tim	Moderator: DOE/ORNL	Panelists will include; Potential PWST Users, PWST Developers,
2:45-4:14pm	Aerospace & Remote	Hill	Curtis	Moderator: NASA/MSFC	3D Print/AM OEMs, Materials & RF Experts