

Connection One Semi Annual Meeting			March 25-26th, 2010	RPI
Location	Center for Biotechnology and Interdisciplinary Studies, Bruggeman Center, Rensselaer Polytechnic Institute, Troy, NY			
Day / Time	Session	Title	Presenter	Affiliation
7:30 AM		Registration, Breakfast		
8:30 AM		Welcome - Overview by	Provost Bob Palazzo	RPI, ASU
8:35 AM		Opening Remarks	Alex Schwartzkoff	The National Science Foundations
8:40 AM		Opening remarks and Welcome	Sayfe Kiaei	RPI
Session Thurs AM 1		High Frequency & THz System		
Chair:		Sayfe Kiaei		
8:45 AM	1.1	Keynote Speaker - THz systems research at Zomega	Thomas Tongue	Zomega
9:00 AM	1.2	Overview of RPI Projects - Modeling of High Voltage GaN-based Switching Circuits, Optical Circuits, and Photoluminescence Photonic Applications	Michael Shur	RPI
9:15 AM	1.3	Si/C superlattice structures for novel application (invited)	C. G. Wang	C9
9:30 AM	1.4	Compact THz Air-Biased-Coherent-Detection Spectrometer	Jianming Dai, X. C. Zhang	RPI
9:45 AM		Poster Session & Break		
Session Thurs AM 2		RF & Mixed-Signal		
Chair:		John Volakis		
10:15 AM	2.1	Keynote Speaker - Special Technologies Laboratory: Applied Sciences & Systems	Stephan Weeks	STL
10:30 AM	2.2	Overview of RF, Mixed-Signal Funded Projects at ASU	Sayfe Kiaei	ASU
10:45 AM	2.3	Wireless Power Harvesting with Planar Rectennas for 2.45 GHz RFIDs	Ugur Olgun, Chi-Chi Chen and John Volakis	OSU
11:00 AM	2.4	Variable-Output Switching Converter with Dual-Loop - Modulation for Adaptive Wireless Powering in Implantable Devices	Brian Ma	UA
11:15 AM	2.5	Non-Foster Impedance Matching Networks for Electrically Small Receiver Antennas	Keum-Su Song and Roberto Rojas	OSU
11:30 AM		Poster Session		
12:00 PM		Lunch - Location		
Session Thurs PM 1		Antennas & E&M		
Chair:		Magdy Iskander		
1:15 PM	3.1	E-textile and polymer based electronics for wireless applications	Lanlin Zhang, Zheyu Wang, Yakup Bayram, John L. Volakis	OSU
1:30 PM	3.2	Radio Frequency Characterization of Composites and Metamaterials for Novel 3D Circuit Design Applications	Kathleen Melde	UA

1:45 PM	3.3	Non-Conformal Domain Decomposition Method with 2nd Order Transmission Condition for Solving Complex Signal Integrity Problems	Jin-Fa Lee, Y. Shao, and Z. Peng	OSU
2:00 PM	3.4	RF Propagation Modeling in 3D Urban Wireless Communications Environments	Zhengqing Yun	UH
2:15 PM	3.5	New Antennas and Deployment Solutions for Item-Level RFID Systems	Robert Burkholder, Wei-Feng Tsai	OSU
2:30 AM		Poster Session & Break		
Session Thurs PM 2		Systems, Networks & Communications		
Chair:		Ken Connor		
3:00 PM	3.1	Efficient Mechanisms for Sequential Channel Sensing/Probing in Practical CR Systems under Sensing Inaccuracies	Marwan Krunz	UA
3:15 PM	3.2	Signature Learning and Sensor Calibration for Networked Detection, Localization, and Tracking (tentative title)	Emre Ertin and Randy Moses	OSU
3:30 PM	3.3	Microwave measurements of changes in lung water volume	Magdy Iskander, H.S. Youn	UH
3:45 PM	3.4	A Wireless Telecre system for monitoring vital signs	Nuri Celik and Magdy F iskander	UH
4:00 PM	3.5	Quantum Dot Enhanced Ultraviolet Photodetectors	Liqiao Qin, Shayla Sawyer	RPI
4:15 PM		Poster Session & Break		
Session Thurs PM 3		New Proposals in LED, Optical, THZ		
Chair:		Shayla Sawyer		
4:30 PM	4.1	Keynote Speaker: Deep UV LEDs	Remis Gaska	SET
4:45 PM	4.2	THz characterization of nanostructures	Stillman William	RPI
5:00 PM	4.3	Compact THz Air-Biased-Coherent-Detection Spectrometer	Jianming Dai, X. C. Zhang	RPI
5:15 PM	4.4	Faculty / Directors Brain Storming Session		
6:30 PM		Dinner -Hilton Garden Inn,-235 Hoosick Street, Troy, NY 12180		
Session Friday AM I		New Proposals / New Projects		
Chair:		TBD		
8:30 AM	1.1	High Performance Phased Antenna Array Using Integrated Ferroelectric Materials and CTS Antennas Technologies-Fabrication and Experimental Results;	Magdy F Iskander, and Hyongsun Youn	UH
8:45 AM	1.2	UXO Classification Using Controlled-Source 8-Channel SQUID	Hyongsun Youn and Magdy iskander	UH
	1.3	Design of Current-Mode High-Voltage Regulated Charge Pump	Brian Ma	UA
8:45 AM	1.4	Mitigating Greediness in Third-party Opportunistic Spectrum Leasing	Tao Shu and Marwan Krunz	UA
9:30 AM	1.5	Variable-Output Switching Converter with Dual-Loop - Modulation for Adaptive Wireless Powering in Implantable Devices	Brian Ma	UA
9:45 AM	1.6	Novel GaN/AlGaIn Hetrostructure Devices (invited)	Pophristic Milan	Velox
10:00 AM	1.7	IAB Closed Door Session		
1:00 PM		Visit for Clarke Museum (optional): sign-up by sending email to Chris (donaic@rpi.edu)		

