Session		Chairs	Day and Room	Time	Paper #	Paper ID in CMT	Title
1	**Power Amplifiers**	Bryant Baker, Taylor Barton	Thursday **Theatre**	15:50	1.1	3	Concurrent Dual Band Hybrid Power Amplifier in 0.25 µm GaN technology
				16:10	1.2	21	Wideband GaAs MMIC Driver Power Amplifiers for X and Ku Bands
				16:30	1.3	37	A Highly Efficent and Linear 15 GHz GaN Power Amplifier Design for 5G Communications
				16:50	1.4	48	A High-Efficiency 5G K/Ka-Band Stacked Power Amplifier in 45nm CMOS SOI Process
				17:10	1.5	12	A Compact Watt-level GaN-on-Si Class AB Power Amplifier for Handset Applications
2	**THz, Devices and Photonics**	Qing Gu, Jonathan Hu	Thursday **Community Room (CR)**	15:50	2.1	34	A Fifth-Order Polynomial Predistortion Circuit for Mach-Zehnder Modulator Linearization in 65nm CMOS
				16:10	2.2	47	Benefits of a Scaled Differential Calculation method for use in a Fabry-Perot based Optical Cavity Biosensor
				16:30	2.3	31	Plasma based Terahertz Devices
				16:50	2.4	10	Square dielectric interconnect for chip-to-chip THz communication
				17:10	2.5	35	Electromagnetic Devices for Next-Generation Wireless Communication Systems
3	**Power Amplifier Design and Testing**	Taylor Barton, Charles Baylis	Friday **Classroom 1701**	8:20	3.1	38	Fast Design of Unconditionally Stable Power Amplifier Using the Center Frequency Smith Tube
				8:40	3.2	40	Fast Amplifier PAE Optimization Using Resonant Frequency Interval Halving with an Evanescent-Mode Cavity Tuner
				9:00	3.3	29	Doherty Power Amplifier Design Methodology for HF Applications with MOSFET Active Devices
				9:20	3.4	45	Comprehensive Load-Pull Data For Amplifier Design
				9:40	3.5	16	Fast Reconfiguration in Real-Time Transmitter Amplifier Impedance Optimization Using S-Parameters
				10:00	3.6	42	Measurement of Load-Pull Performance in the Power Smith Tube Using a Tunable Varctor Matching Network
4	**Electromagnetics and Propagation**	David Jackson, Yang Li	Friday **Community Room (CR)**	8:40	4.1	28	Predictive Method for Analyzing OAM at Radio Frequencies
				9:00	4.2	32	Analysis of a Time-Domain Propagator Numerical Method for Electromagnetic Fields
				9:20	4.3	19	Wireless Detection of Signals from Excitation of Macula by Light Pulses
				9:40	4.4	6	Measurement, Simulation and Theory of Creeping Wave Propagations around the Human Head at 2.45 GHz
				10:00	4.5	17	Magnetic Induction for MWD Telemetry System
5	**Mixed-Signal ICs**	Ping Gui, Oren Eliezer	Friday **Classroom 1701**	10:40	5.1	22	2 GHz On-Chip Differential Bandpass Filter
				11:00	5.2	46	A 2.33GHz, -133 dBc/Hz, 8-Phase VCO RFIC in 130nm CMOS RF SOI
				11:20	5.3	5	A 12-Bit Serial-to-Parallel Converter Using Depletion-Mode Only Devices, Qorvo
				11:40	5.4	13	Vibration Correction of Oscillator for Phase Noise Impairments Utilizing MEMS Accelerometer
6	**Antennas**	Yang Li, David Jackson	Friday **CR**	10:40	6.1	18	On-Body Radiation of 3D-Printed Fold Cylindrical Helix (FCH) Wearable Antenna
				11:00	6.2	8	The Minimum Phase Property in Aperture Antennas
				11:20	6.3	39	Ka Band 3D Printed Horn Antennas
7	**Passive Devices**	Shahrokh Saeedi, Rashaunda Henderson	Friday **CR**	15:50	7.1	9	Study of a Fifth Order Synthesized Combline Filter for a Self-Structuring Filter Prototype
				16:10	7.2	11	Tunable CPW-based transmission line for mm-wave applications
				16:30	7.3	41	Broadband Conductor-Backed Coplanar Waveguide to Double-Sided Parallel Strip Line Transition at Millimeter Wave
				16:50	7.4	14	Geometries for Creating a Process Seal Insert for a Standard Waveguide-to-Coax Adapter
8	**Radar and Communication Systems**	Oren Eliezer, Liang Dong	Friday **Classroom 1701**	15:50	8.1	30	Polynomial Memory Pre Distortion Based on Non Uniform Delays for Wireless Applications
				16:10	8.2	33	Carrier Aggregation Receiver Employing Direct Re-centred Offset Receivers
				16:30	8.3	4	A Novel Soft-Output Decoding Method for Integer Space-Time Block Codes
				16:50	8.4	20	Ambiguity Function Magnitude Inversion via a Modified Gerchberg-Saxton Algorithm