	TRACK 1	TRACK 2	
7:00 AM			
	Breakfast (St. Martins/St. Lucia)		
8.00 414	NA1 A. Advences in Dovery Amplificate 1 (Anytha)	NAZA. Additive Menufacturing for DE Applications (Perhados)	
0.00 AIVI	M1A: Advances in Power Amplifiers - 1 (Aruba)	M2A: Additive Manufacturing for RF Applications (Barbados)	
0.00.414			
8:00 AM	Invited Talk: Silicon-Based Millimeter-Wave Power Amplifiers with Efficiency- Enhancement, Sensen Li (University of Texas at Austin, USA)	Laser Enhanced Direct-Print Additive Manufacturing (LE-DPAM) of mm-Wave using LTCC Dielectric Paste for High Temperature Applications, Seng Loong Yu	
		(Embry-Riddle Aeronautical University, USA); Christopher Curran and Anton Polotai (Vibrantz Technologies, USA); Eduardo Rojas (Embry-Riddle Aeronautical	
		University, USA)	
8:20 AM	Invited Talk: Towards High-Power and Multi-Way Silicon-Based mmWave	Ultra Wideband Powerdetector for W-Band Applications Using a Novel Additively	
	Doherty Power Amplifiers, Taiyun Chi (Rice University, USA)	Manufactured Wavemodetransducer, Tobias Bader (Friedrich-Alexander- Universität Erlangen Nürnberg, Germany)	
8:40 AM	Co-Design of Doherty Power Amplifier and Post-Matching Bandpass Filter,	3D-Printing with Conductive Filament for Electromagnetic Shielding Applications,	
	Haifeng Lyu, Ricardo Lovato, Shakthi Priya Gowri, Xun Gong and Kenle Chen (University of Central Florida, USA)	Isabela Buitron Burbano (Universidad de Los Andes, Colombia); Alba Avila Bernal (Andes University, Colombia); Carlos Andres Perez-Lopez (Universidad de Los	
		Andes, Colombia)	
9:00 AM	Load-Modulated Double-Balanced Amplifier with Quasi-Isolation to Load, Jiachen	Printed, Planar Microwave Connector with multiple signal lines, Jotham Kasule	
	Guo and Kenle Chen (University of Central Florida, USA)	(University of Massachusetts, USA); Alkim Akyurtlu (University of Massachusetts Lowell, USA); Craig Armiento (1 University Ave & UMass Lowell, USA)	
9·20 AM	A High-IP3 Harmonic Tuned Wideband 40 dBm RF Power Amplifier for 5G	3D-Printed Low-Profile X-Band Tunable Phase Shifter, Hanxiang Zhang (Florida	
3.20 AIV	Applications, Heather Song (University of Colorado, Colorado Springs, USA);	State University, USA); Ryan Bahr (Georgia Institute of Technology, USA); Bayaner	
	Tanghid Rashid (University of Colorado Colorado Springs, USA)	Arigong (Florida State University, USA)	
0.40.45			
9:40 AM			

10:00 AM

Plenary Session (Grand Caribbean Ballroom)
Energy sustainability for Net Zero Radio Communications

Break - Coffee with Exhibitors (St. Martins/St. Lucia)

		ções e Informática, Instituto de Telecomunicações, Universidade de Aveiro, tugal	
11.10 AM	Exhibitor Spotlight (Grand Caribbean Ballroom)		
11:50 AM	Lunch (Patio Pavilion)		
1:10 PM	M1B: Active Circuits (Aruba)	M2B: Sensors and Systems (Barbados)	
	Dynamic Supply Modulation of a 6 - 12 GHz Transmit Array, Connor Nogales and Laila F Marzall (University of Colorado Boulder, USA); Gregor Lasser (Chalmers University of Technology, Sweden); Zoya Popovic (University of Colorado at Boulder, USA)	Invited Paper: Gas-Liquid Two-Phase Flow Monitoring Using Sub-THz Radar Imaging, Davi V. Q. Rodrigues and Daniel Rodriguez (Texas Tech University, USA); Victor J Pugliese (Universidad del Norte, Colombia); Marshall Watson (Texas Tech Unviersity, USA); Changzhi Li (Texas Tech University, USA)	
	A Dual-Channel 15 Gb/s PRBS Generator for a D-Band PMCW Radar Transmitter in 22 nm FDSOI, Florian Probst, Andre Engelmann and Manuel Koch (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany); Robert Weigel (Friedrich-Alexander Universität Erlangen-Nürnberg, Germany)	A Hybrid Skin, Fat, and Muscle Human Body Tissue-Mimicking Biological Phantom and Antenna Testbed, Michael Grady (Georgia Tech Research Institute, USA); Thomas Weller (Oregon State University, USA)	

1:50 PM A Fully-Integrated Band-Switchable CMOS Low Noise Amplifier, Seyyed Babak Hamidi Perchehkolaei and Debasis Dawn (University of Washington, USA)

2:10 PM Sub-6 GHz GaAs pHEMT SPDT Switch with Low Insertion Loss and High Power

University, Korea (South))

Handling Capability Using Dual-Gate Technique, Jaehyun Kwon (Intelligent

Lee (Soongsil University, Korea (South)); Taehun Kim (Intelligent Microwave Systems Lab, Soongsil University, Korea (South)); Changkun Park (Soongsil

Microwave Systems Lab, Soongsil University, Korea (South)); Jinho Yoo and Jaeyong

Frequency Characterization for Glucose Detection with Software Defined
Radio, Faheem Shaikh (California State University Fresno, USA); Soumyasanta Laha
(California State University, Fresno, USA)

Real Time Monitoring of Helicopter Turbine Blade Temperature Using Passive Wireless Sensor, Sreekala Suseela, Taofeek Orekan, Swadipta Roy and Joshua McConkey (Sensatek Propulsion Technology, Inc., USA); Reamonn Soto (Sensatek Propulsion Technology, Inc, USA)

2:30 PM Break - Coffee with Exhibitors (St. Martin/St. Lucia)			
2:50 PM M1C: Antennas and Passives - 1 (Aruba)	M2C: Emerging Applications (Barbados)		
2:50 PM A Miniaturized UHF RFID Tag Antenna Attached to a Container of Filled Liquid, Minh-Tan Nguyen (National Kaohsiung University of Science and Technology, Taiwan); Hua-Ming Chen (National Kaohsiung University of Applied Sciences, Taiwan); ChienHung Chen (ROC Air Force Academy, Taiwan); Yi-Fang Lin (National Kaohsiung University of Science and Technology, Taiwan)	Invited Paper: Millimeter-Wave Silicon Photonics Circuits with Automatic Calibration for Wireless Communications, Kamran Entesari (Texas A&M University, USA); Ramy Rady, Samuel Palermo and Christi Madsen (Texas A&M University, USA)		
3:10 PM Computation of Input Impedance of Rectangular Waveguide-backed Metasurface Arrays with Feed Networks using Coupled Dipole Framework, Insang Yoo (Duke, USA); David Smith (Duke University, USA)	Invited Paper: Active and Passive Reconfigurable Intelligent Surfaces at mm- Wave and THz bands enabled by CMOS Integrated Chips, Suresh Venkatesh (North Carolina State University, USA)		
3:30 PM Advanced Cascaded Filter Synthesis , Wael M Fathelbab (Northrop Grumman Corporation, USA)	An Inkjet-Printed Capacitive Sensor for Ultra-Low-Power Proximity and Vibration Detection, Steven D Gardner (University of Alabama at Birmingham (UAB), USA); M Muklasur R Opu (University of Alabama at Birmingham, USA); Mohammad R Haider (University of Alabama at Birmingham (UAB), USA)		
3:50 PM A New Axial Mode Helix Antenna "The Archimedean Screw Antenna", Francis Parsche, None (Harris Corporation & Special Antennas Group, USA)	A Low-Cost Consumable Radio Frequency Emitter for Adversary Threat Emulation, Timothy Graziano (Instructor, United States Military Academy); Zachary Wolsborn, Sebastien Wilkinson and Samuel Della-Santina (United States Military Academy, USA); Kirk Ingold (Instructor, United States Military Academy, USA)		
4:10 PM			
Exhibitor Showcase (St. Martin/St. Lucia)			
4:40 PM Poster Session (Barbados)			
PM Reception and Banquet			

6:30 PM

7:30 PM