

**2018 IEEE MTT-S Latin America Microwave Conference
(LAMC 2018)
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Technical Program Topics Division

Track 1: Active components and measurement techniques

- 1) Digital predistortion and linearization
- 2) Efficiency enhancement
- 3) GaAs, GaN, LDMOS devices
- 4) High power amplifiers
- 5) LNA, MGA, Front-End modules
- 6) MIMO power amplifiers
- 7) Oscillators
- 8) SiGe HBT technology
- 9) Tunable and reconfigurable devices

Track 2: Modeling, characterization and simulation

- 1) Behavioral modeling
- 2) CAD algorithms and numerical techniques
- 3) Compact modeling
- 4) Design and manufacturing of components
- 5) Electromagnetic Theory
- 6) Impairment compensation
- 7) Load pull measurements
- 8) Measurement techniques
- 9) Non linear device modeling
- 10) Space mapping
- 11) Stability analysis
- 12) Surrogate based modeling and optimization

Track 3: Passive components and antennas

- 1) EBG structures
- 2) Emerging manufacturing technologies
- 3) Ferroelectrics, MEMS
- 4) Filters
- 5) Metamaterials
- 6) Phased arrays, smart antennas and beamforming.
- 7) Planar and non-planar components
- 8) Synthesis and analysis
- 9) Wireless sensors

Track 4: RF Design applications

- 1) Biomedical, industrial and scientific applications
- 2) Electromagnetic compatibility
- 3) High speed interconnect design
- 4) Millimeter wave technology for 5G
- 5) Packaging design
- 6) Passive components in waveguides
- 7) RFIC / MMIC design applications
- 8) Signal integrity
- 9) Wearable wireless technology
- 10) Wireless power transfer
- 11) Wireless power transfer and harvesting

Track 5: Wireless Communications systems

- 1) Cognitive Radio and SDN
- 2) Communication systems (GPS, terrestrial, vehicular, satellite and indoor applications and cellular communication systems)
- 3) Emerging system architecture
- 4) IoT
- 5) Microwave and radar imaging and detection
- 6) Radioastronomy instrumentation
- 7) RF Energy harvesting
- 8) RFID applications
- 9) Space applications