COMCAS 2019 continues the tradition of providing an international, multidisciplinary forum for the exchange of ideas, research results, and industry experience in the areas of microwave/RF/mm-wave engineering, communications, antennas, solid state circuits, electronic devices, engineering in medicine, radar, sonar and electronic systems.

The technical program includes invited talks by international experts and contributed papers and will be complemented by a large industrial exhibition.

Important Deadlines

Summary Submission: April 18, 2019
Acceptance Notification: July 2, 2019
Full Paper Submission: September 2, 2019

For more information visit:
www.comcas.org
Email: comcas@ortra.com

Papers are solicited in a wide range of topics:

**Communications and Sensors**
- 5G systems & millimeter wave propagation
- Cognitive Radio & Spectral Sharing
- Communications Security
- First Responder/Military Communications
- Green Communication
- Internet of Things
- Long Range Low Power Networks
- Micro/Pico/Femtocell Devices and Systems
- MIMO Antenna Systems for Communications
- Modulation & Signal Processing Technologies
- On-Body and Short Range Communications
- Radar over Fiber & Optical/Wireless Convergence
- Sensor Networks and Technologies
- Software-Defined Radio & Multiple Access
- Space-Time Coding and Systems

**Antennas, Propagation, and Scattering**
- Smart Antennas, Beamforming and MIMO
- Wave Propagation and Channel Modeling
- Wave Scattering and RCS
- NanopM, Plasmonics, and Applications
- Metamaterials, FSS and EBG
- EM Field Theory and Numerical Techniques
- EM Interference & Compatibility, SI
- Spectrum Management and Monitoring
- ELF, RF, µWave, mmW and THz Measurements

**Signal Processing (SP) and Imaging**
- Microwave Imaging and Tomography
- Acoustic/Sonar Imaging and Techniques
- Radar SP and Imaging, SAR, ATR
- MIMO SP for Radar
- Ground and Foliage Penetration Systems
- Signal Acquisition and Sensor Management
- DF, Emitter Location, Elint, Array Processing
- Target Detection, Identification and Tracking
- Data Fusion
- Time Domain and UWB SP

**RF/MW Devices and Circuits, RFICs**
- Solid-State Devices, RFICs
- µWave, mmW and Sub-mmW Circuits/Technologies
- Nano and THz Devices/Technologies
- Microwave Photonics
- Passive Components and Circuits
- Filters and Multiplexers
- Ferroelectrics, RF MEMS, MOEMS, and NEMS
- Active Devices and Circuits
- RF Power Amplifiers and Devices
- Tunable and Reconfigurable Circuits/Systems
- Analog/Digital/Mixed RF Circuits
- Circuit Theory, Modeling and Applications
- Interconnects, Packaging and MCM
- CAD Techniques for Devices and Circuits
- Emerging Technologies
- Thermal Management for Devices

**Microwave Systems, Radar, Acoustics**
- Aerona. and Space Applications
- RFID Devices/Systems/Applications
- Automotive/Transportation Radar & Communications
- Environmentally Sensitive (“Green”) Design
- UWB and Multispectral Technologies & Systems
- Emerging System Architectures
- Modelling Techniques for RF Systems
- Radar Techniques, Systems and Applications
- Sonar Systems and Applications
- Wireless Power Transfer & Energy Harvesting
- Terahertz Systems

**Biomedical Engineering**
- Novel Imaging Technologies
- Acousto-Optic Technologies
- Advances in MRI, Systems and Applications
- Medical RF, MW & MMW Applications and Devices
- Medical Imaging and Image Processing
- The effects of RF and MW on Biological Tissues

www.comcas.org

All submitted papers will be peer reviewed. Accepted papers will be published in the COMCAS 2019 Proceedings, which will be submitted for inclusion to IEEE Xplore®.
For author’s instructions and further information, see www.comcas.org.