EDAS Category List

A Active Devices and Circuits

A1 low-noise device and circuits

A2 high-power devices and circuits

A3 wide band-gap devices

A4 linearization techniques

A5 active device modeling and simulations

A6 microwave tubes

A7 control circuits (mixer, oscillator, switch, etc.)

A8 MMICs

A9 RFICs

A10 millimeter and THz wave devices and circuits

A11 rectennas

A12 others

B Passive Components

B1 multi-band, broadband, tunable and reconfigurable filters

B2 resonators

B3 directional couplers and hybrids

B4 tunable and reconfigurable circuits

B5 waveguides and transmission lines

B6 passive device modeling and simulations

B7 ferrite and SAW devices

B8 RF MEMS

B9 LTCC devices

B10 mm-wave/THz components and circuits

B11 microwave photonics

B12 packaging

B13 metamaterials and EBG structures

B14 others

C Antennas and Propagation

C1 scattering and propagation

C2 EM field theory

C3 DOA estimation

C4 antenna theory and design

C5 millimeter-wave/terahertz and optical antennas

C6 small antennas

C7 broadband and multi-band antennas

C8 array antennas

C9 MIMO antennas

C10 active adaptive and smart antennas

C11 reflector and reflectarray antennas

C12 reconfigurable antennas and arrays

C13 antenna measurements

C14 interaction of EM waves with materials and tissues

C15 others

D Systems

D1 5G/Beyond 5G/6G systems

D2 wireless and cellular communication systems

D3 high-speed and broadband millimeter and terahertz wave systems

D4 MIMO systems

D5 microwave photonics, radar and sensor systems

D6 autonomous driving systems

D7 IoT/M2M/RFID systems

D8 near field communication systems

D9 wearable devices and systems

D10 security and health monitoring systems

D11 wireless power transfer systems

D12 energy harvesting devices and systems

D13 microwave medical and biomedical applications systems

D14 broadcasting systems

D15 whitespace systems

D16 software defined/cognitive/smart radio systems

D17 satellite systems

D18 near/far field OTA measurement systems

D19 measurement techniques

D20 EMC

D21 others

E Emerging Technologies

E1 millimeter-wave and terahertz biomedical applications

E2 RF and millimeter-wave cubesat/space applications

E3 new materials (graphene, CNT, nanowires etc.)

E4 nanostructured devices, circuits and antennas

E5 artificial intelligence (AI)/machine learning in microwaves

E6 microwave heating and chemistry applications

E7 microwave superconductivity and quantum technologies