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Nota di contenuto	Intro -- Preface -- Contents -- About the Editors -- Recent Trends in Terahertz Antenna Development Implementing Planar Geometries -- 1 Introduction -- 2 Designing of THz Antenna -- 2.1 Microstrip Patch Antenna Array -- 2.2 Sectoral H-plane Horn Antenna -- 3 Circuit Modeling of THz Antenna -- 4 Fabrication of Prototypes -- 5 Conclusion -- References -- Element Failure Correction Techniques for Phased Array Antennas in Future Terahertz Communication Systems -- 1 Introduction -- 1.1 Antenna Array Failure Correction Software Techniques -- 1.2 Antenna Array Failure Correction Hardware Solutions -- 2 Proposed IFT Antenna Array Failure Correction Technique -- 3 Single Antenna Element Design at 3.5 THz -- 3.1 3.5 THz Linear Antenna Array with Element Failure Correction -- 4 Simulation Results -- 5 Summary -- Appendix A -- References -- The Magneto Electron Statistics in Heavily Doped Doping Super-Lattices at Terahertz Frequency -- 1 Introduction -- 2 Theoretical Background -- 3 Results and Discussion -- 4 Conclusion -- References -- Circularly Polarized Dual-Band Terahertz Antenna Embedded on Badge for Military and Security Applications -- 1 Introduction -- 2 Circularly Polarized Antenna Geometry and Simulation Results -- 2.1 Return Loss of the Proposed Design -- 2.2 Design Process and Equations Used -- 2.3 VSWR of the CP Antenna -- 2.4 Farfield of the Proposed CP Antenna -- 2.5 Circularly Polarized Behavior -- 2.6 Bending Analysis -- 2.7 Surface Current Distribution -- 2.8 Parametric Study -- 3 Antenna

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THz Meta-Atoms Versus Lattice to Non-invasively Sense MDAMB 231 Cells in Near Field.

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