RF Sensors: Design, Optimization and Applications

Message from the Guest Editors

Dear Colleagues,

Non-contact and contagious electromagnetic sensors (RF, UHF, near field, electric, magnetic, acoustic, etc.) are used for detecting signals emitted by insulation defects either internally or externally. RF sensors have been extensively utilized in diverse applications, such as chemical sensors for homeland security, industry, academia, and, recently, implantable biosensors, RF physical sensors. RF Antennas find ubiquitous applications in items such as mobiles, laptops, radio-frequency-identification (RFID), global-positioning-system (GPS) applications, etc.

The aim of this Special Issue is to report on recent advances relating to RF components (antennas and sensors) as well as to contrive antennas and sensing schemes for advanced applications and optimization techniques.

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