

2018年12月8日 International Information Institute 主催の Information 2018 において基調講演をおこなう。

Keynote speech: New Antennas Supporting Internet of Things

Abstract

This talk presents recent progress in antennas for Internet of Things (IoT), and is composed of three sections. Section 1 describes the definition of a metamaterial antenna, comparing to that of a conventional natural antenna. Section 2 discusses metamaterial lines (metalines). The difference in the radiation from four metalines is clarified. Section 3 focusses circularly polarized (CP) metaline antennas and presents the beam-steering for CP radiation. Finally, null formation in the CP radiation is investigated in order to reduce interference signals.