

# **Abstract**

**Hussein H. Ghouz**

## **Novel Compact Broadband and Dual-Band Patch Antennas**

In this paper, two proposed compact broadband and dual-band microstrip patch antenna configurations have been analyzed, investigated and optimized using the Zeeland-simulator. The presented antennas resonate at 6.0, 12.0 and 13.0 GHz with bandwidth of more than 600.0 MHz (about 10% of center frequency).