

# The Future is OPEN



Electromagnetics and Applications

## ELECTROMAGNETICS AND APPLICATIONS



This text explores electromagnetic phenomena in modern applications, including wireless and optical communications, circuits, computer interconnects and peripherals, microwave communications and radar, antennas, sensors, micro-electromechanical systems, and power generation and transmission. Fundamentals include quasistatic and dynamic solutions to Maxwell's equations; waves, radiation, and diffraction; coupling to media and structures; guided waves; resonance; and acoustic analogs.

David H. Staelin

*David H. Staelin*  
Massachusetts Institute of Technology

