

# **Novel Site-Specific Techniques for Predicting Radio Wave Propagation**

by

Praveen T. SheethalNath

Thesis submitted to the Faculty of the  
Virginia Polytechnic Institute and State University  
in partial fulfillment of the requirements for the degree of

**MASTER OF SCIENCE**  
in  
**Electrical Engineering**

Approved:

---

Theodore S. Rappaport  
(Chairman)

---

Brian D. Woerner

---

A. Lynn Abbott

February 2001  
Blacksburg, Virginia