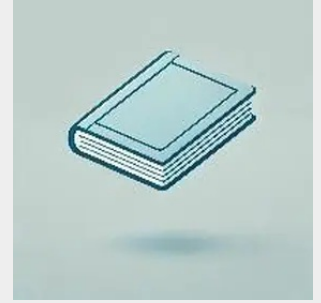


## Wireless Access in Vehicular Environments Technology

Theory, Simulation and Prototyping

This book provides fundamental theories, schemes and algorithms of WAVE system and describes relevant technologies covering all the aspects of mathematical analysis, software simulations, hardware implementations and field experiments. Wireless Access in Vehicular Environments Technology discusses WAVE technology and system ranging from dedicated vehicular channel model, OFDM transmission under diverse Doppler shifts conditions, high dynamic RF front ends, innovative baseband processing, link level, system level and network level simulations of WAVE systems, prototyping initiatives upon digital signal processing (DSP) and field programmable gate array (FPGA) development kits, and experiments on vehicular communications and networks upon WAVE systems.

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