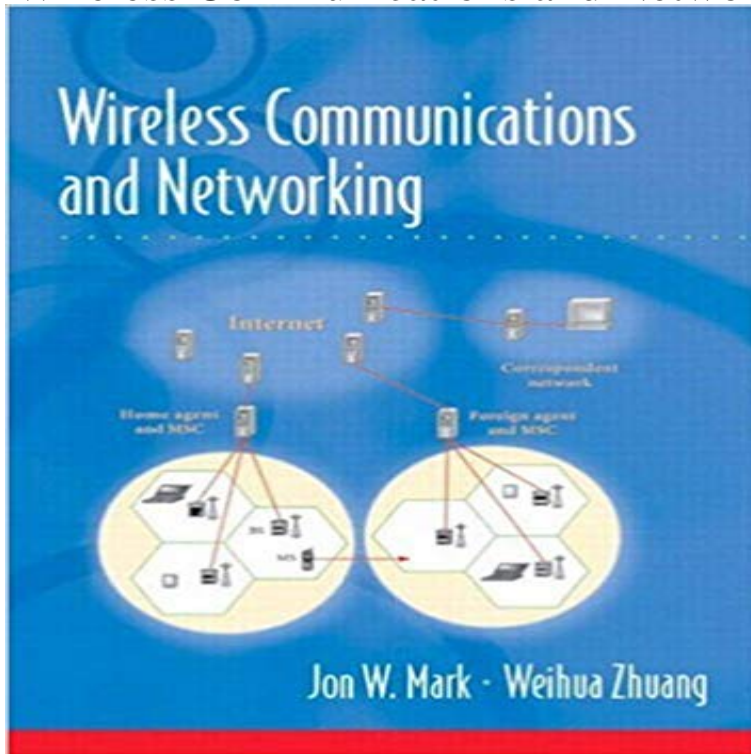


# Wireless Communications and Networking



For one-semester senior-level/first-year graduate courses in Wireless Communications. Focusing on the fundamentals of wireless communications and networking, this text gives the reader an overview of the salient features of first and second generation wireless cellular systems, and those perceived for the third generation. It identifies the problems that cause information loss in point-to-point signal transmission through the wireless channel, and discusses techniques suitable for minimizing the information loss. The text covers wireless communications in a cellular setting, treating the ramifications in terms of capacity maximization, support for multi-user transmissions, mobility management to facilitate user roaming, and global information delivery through wireless/wireline interworking.

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