



Digital Communication Systems Engineering with Software-Defined Radio (Mobile Communications)

By Alexander M. Wyglinski, Di Pu

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Contents: What is SDR? Signal & System Overview. Probability Review. Digital Communications Review. Basic SDR Implementation of a Transmitter and a Receiver. Receiver Structure and Waveform Synthesis of a Transmitter and a Receiver. Multi-Carrier Modulation. Spectrum Sensing Techniques. Synchronization. Appendices.

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Editorial Review

About the Author

Alexander M. Wyglinski is an assistant professor in the Department of Electrical and Computer Engineering at the Worcester Polytechnic Institute. He holds an M.S. in electrical engineering from Queen s University and a Ph.D. in electrical engineering from McGill University.

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