Prologue. NEAR-INSTANTANEOUSLY ADAPTIVE MODULATION AND FILTERING BASED EQUALISATION. Introduction to Equalizers. Adaptive Equalization. Adaptive Modulation. Turbo-Coded and Turbo-Equalised Adaptive Modulation. Adaptive Modulation Mode Switching Optimization. Practical Considerations of Wideband AQAM. NEAR-INSTANTANEOUSLY ADAPTIVE MODULATION AND NEURAL NETWORK BASED EQUALISATION. Neural Network Based Equalization. RBF-Equalized Adaptive Modulation. RBF Equalization Using Turbo Codes. RBF Turbo Equalization. NEAR-INSTANTANEOUSLY ADAPTIVE CDMA AND ADAPTIVE SPACE-TIME CODED OFDM. Burst-by-Burst Adaptive Multiuser Detection CDMA. Adaptive Multicarrier Modulation. Space-Time Coding versus Adaptive Modulation. Conclusions and Suggestions for Further Research. Appendices. Bibliography. Index. Author Index. About the Authors.

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