

Applications in Video Broadcast over Mobile and Wireless Netw

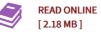




## Joint Source-Channel Decoding: A Cross-Layer Perspective with Applications in Video Broadcasting (Hardback)

By Pierre Duhamel, Michel Kieffer

Elsevier Science Publishing Co Inc, United States, 2010. Hardback. Condition: New. Language: English. Brand new Book. Treats joint source and channel decoding in an integrated wayGives a clear description of the problems in the field together with the mathematical tools for their solutionContains many detailed examples useful for practical applications of the theory to video broadcasting over mobile and wireless networks Traditionally, cross-layer and joint source-channel coding were seen as incompatible with classically structured networks but recent advances in theory changed this situation. Joint source-channel decoding is now seen as a viable alternative to separate decoding of source and channel codes, if the protocol layers are taken into account. A joint source/protocol/channel approach is thus addressed in this book: all levels of the protocol stack are considered, showing how the information in each layer influences the others. This book provides the tools to show how cross-layer and joint source-channel coding and decoding are now compatible with present-day mobile and wireless networks, with a particular application to the key area of video transmission to mobiles. Typical applications are broadcasting, or point-to-point delivery of multimedia contents, which are very timely in the context of the current development of mobile services such as...



## Reviews

This publication can be really worth a go through, and a lot better than other. It is actually writter in straightforward words and phrases instead of confusing. I discovered this pdf from my dad and i suggested this publication to learn. -- Jackeline Rippin

A high quality book and also the font employed was intriguing to read. I was able to comprehended every thing out of this created e book. You wont really feel monotony at whenever you want of the time (that's what catalogues are for concerning should you check with me). -- Prof. Johnson Cole Sr.