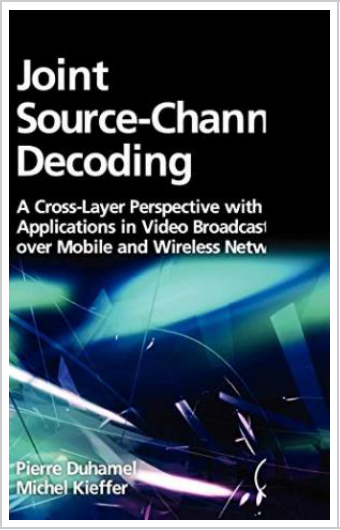

Joint Source-Channel Decoding: A Cross-Layer Perspective with Applications in Video Broadcasting (Hardback)

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

If you need to adding benefit, a must buy book. I could comprehended every thing out of this composed e pdf. I am just very happy to tell you that this is the greatest pdf i have study inside my individual existence and could be he finest publication for at any time.

-- ***Miss Laurie Waters IV***

Most of these publication is the greatest publication offered. It is actually rally intriguing throgh reading period of time. You can expect to like just how the article writer create this publication.

-- ***Eddie Schuppe***