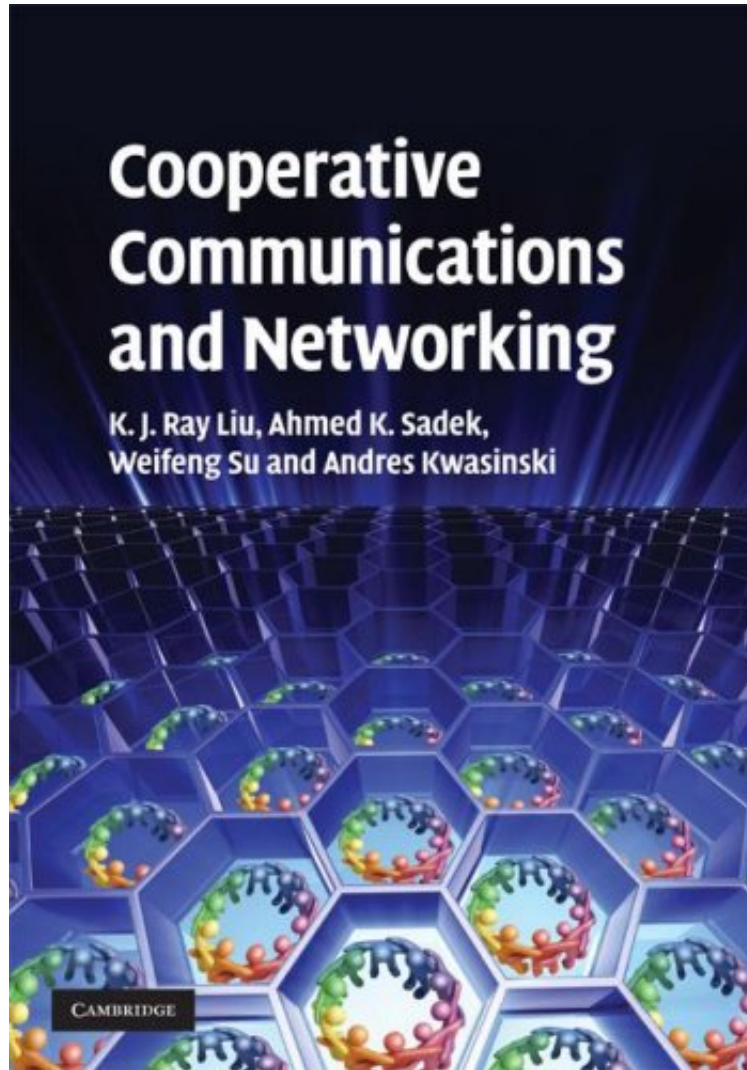


Cooperative Communications and Networking

K. J. Ray Liu, Ahmed K. Sadek, Weifeng Su, Andres Kwasinski
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K. J. Ray Liu, Ahmed K. Sadek, Weifeng Su, Andres Kwasinski : Cooperative Communications and Networking before purchasing it in order to gauge whether or not it would be worth my time, and all praised Cooperative Communications and Networking:

0 of 2 people found the following review helpful. Very good and readerfriendlyBy Glauber G. O. BranteCooperative Communications and Networking is a very good and complete book. The book is readerfriendly and it is a good reference for who is interested in cooperative communications.

Presenting the fundamentals of cooperative communications and networking, this book treats the concepts of space,

time, frequency diversity and MIMO, with a holistic approach to principal topics where significant improvements can be obtained. Beginning with background and MIMO systems, Part I includes a review of basic principles of wireless communications and space-time diversity and coding. Part II then presents topics on physical layer cooperative communications such as relay channels and protocols, performance bounds, multi-node cooperation, and energy efficiency. Finally, Part III focuses on cooperative networking including cooperative and content-aware multiple access, distributed routing, source-channel coding, and cooperative OFDM. Including end-of-chapter review questions, this text will appeal to graduate students of electrical engineering and is an ideal textbook for advanced courses on wireless communications. It will also be of great interest to practitioners in the wireless communications industry. Presentation slides for each chapter and instructor-only solutions are available at www.cambridge.org/9780521895132.

"Overall, Cooperative Communications and Networking is an excellent, readerfriendly book. This reviewer believes that this book will have a lasting impact upon those involved in cooperative communications research. Ruoheng Liu, IEEE Signal Processing Magazine About the Author K. J. Ray Liu is a Distinguished Scholar - Teacher of the University of Maryland, College Park, and the recipient of numerous honors and awards including best paper awards from IEEE Signal Processing Society (twice), IEEE Vehicular Technology Society, and EURASIP. Ahmed K. Sadek is Senior Systems Engineer with Corporate Research and Development, Qualcomm Incorporated, and he received his Ph.D. in Electrical Engineering from the University of Maryland, College Park, in 2007. Weifeng Su is Assistant Professor at the Department of Electrical Engineering, State University New York (SUNY) at Buffalo. He was awarded his Ph.D. in Applied Mathematics from Nankai University in 1999, followed by his Ph.D. in Electrical Engineering from the University of Delaware in 2002. Andres Kwasinski is Software Design Engineer at Texas Instruments Inc., Communication Infrastructure Group, and he received his Ph.D. in Electrical and Computer Engineering from the University of Maryland, College Park, in 2004.