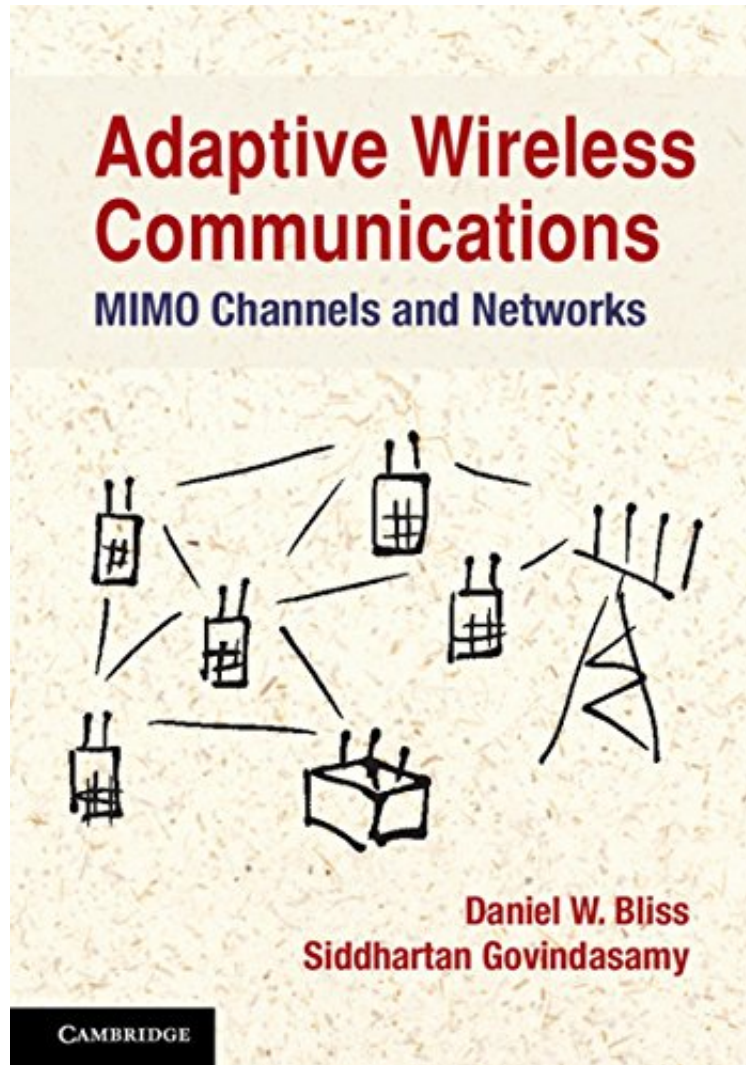


# Adaptive Wireless Communications: MIMO Channels and Networks

*Dr Daniel W. Bliss, Professor Siddhartan Govindasamy*  
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**Dr Daniel W. Bliss, Professor Siddhartan Govindasamy : Adaptive Wireless Communications: MIMO Channels and Networks** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Adaptive Wireless Communications: MIMO Channels and Networks:

0 of 0 people found the following review helpful. Five Stars By David B. Very well written 1 of 3 people found the following review helpful. Unnecessarily Heavy on Math By The Sword MIMO technology has the ability to change the future of telecommunications and will play a big part in future generations (e.g. 4G, 5G ect..). Therefore, the title and content of this book is extremely important in the engineering world. The authors have put together a formidable book,

unfortunately they belong to the family of engineers that believe mathematics to be a universal language unto itself, where to a mathematician, you can even use math to explain your weekly grocery list. This book tackles MIMO with an overly heavy emphasis on math, so if you're an engineer like myself who left university/college 20 years ago and needs to brush up on MIMO for work purposes, this book does not hit its mark. I would give it 5 stars for the math, but only 3 for engineering. At the end of the day, this is supposed to be a book in wireless engineering focusing on MIMO. \*\*\*NOTE: If you do belong to the family of engineers who prize math over engineering, this book will certainly fit the bill.

Adopting a balanced mix of theory, algorithms and practical design issues, this comprehensive volume explores cutting-edge applications in adaptive wireless communications and the implications these techniques have for future wireless network performance. Presenting practical concerns in the context of different strands from information theory, parameter estimation theory, array processing and wireless communication, the authors present a complete picture of the field. Topics covered include advanced multiple-antenna adaptive processing, ad hoc networking, MIMO, MAC protocols, space-time coding, cellular networks and cognitive radio, with the significance and effects of both internal and external interference a recurrent theme throughout. A broad, self-contained technical introduction to all the necessary mathematics, statistics, estimation theory and information theory is included, and topics are accompanied by a range of engaging end-of-chapter problems. With solutions available online, this is the perfect self-study resource for students of advanced wireless systems and wireless industry professionals.

From the Back Cover "An excellent and well-written book... a must for any wireless PHY system engineer." Vahid Tarokh, Harvard University