



## Signal Design for Good Correlation: For Wireless Communication, Cryptography, and Radar (Hardback)

By Solomon W. Golomb, Guang Gong

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2005. Hardback. Condition: New. New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book provides a comprehensive description of the methodologies and the application areas, throughout the range of digital communication, in which individual signals and sets of signals with favorable correlation properties play a central role. The necessary mathematical background is presented to explain how these signals are generated, and to show how they satisfy the appropriate correlation constraints. All the known methods to obtain balanced binary sequences with two-valued autocorrelation, many of them only recently discovered, are presented in depth. The authors treat important application areas including: Code Division Multiple Access (CDMA) signals, such as those already in widespread use for cell-phone communication, and planned for universal adoption in the various approaches to third-generation (3G) cell-phone use; systems for coded radar and sonar signals; communication signals to minimize mutual interference ( cross-talk ) in multi-user environments; and pseudo-random sequence generation for secure authentication and for stream cipher cryptology.

DOWNLOAD



READ ONLINE

[ 7.19 MB ]

### Reviews

*Extremely helpful to all category of individuals. I have got go through and that i am confident that i will likely to read through once again again later on. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Nikita Herzog**

*A must buy book if you need to adding benefit. It is rally intriguing throug reading time period. I am pleased to tell you that here is the very best book i actually have study in my very own lifestyle and may be he finest ebook for at any time.*

-- **Ms. Lora West Jr.**