



*mathematics*



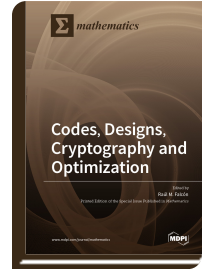
*Special Issue Reprint*

## **Codes, Designs, Cryptography and Optimization**

[www.mdpi.com/books/reprint/5751](http://www.mdpi.com/books/reprint/5751)

Edited by  
Raúl M. Falcón

ISBN 978-3-0365-4355-0 (Hardback)  
ISBN 978-3-0365-4356-7 (PDF)



Novel synergies are continuously being developed among the research areas in coding theory, cryptography, combinatorial design, and combinatorial optimization. They give rise to new applications to other fields and to the real world, including algebraic geometry, artificial intelligence, communication networks, computer science, hardware and software design, design of experiments, logistics, machine learning, and scheduling or transportation networks, among others. With contributions of researchers of six different universities from five countries, this book consists of a compilation of some relevant and recent investigations concerning this area. It covers a vast range of topics, such as Hadamard matrices, quasigroups, Latin squares, secret sharing schemes, binary linear codes, hierarchical posets, computational algebra systems, lightweight cryptography, low-end embedded processors, block ciphers, and text compression.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/5751](http://www.mdpi.com/books/reprint/5751)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



### **Open Access**

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



### **Author Focus**

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



### **High Quality & Rapid Publication**

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



### **High Visibility**

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



### **Print on Demand and Multiple Formats**

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.