



**electronics**



*Special Issue Reprint*

## **Applications Enabled by FPGA-Based Technology**

[www.mdpi.com/books/reprint/7959](http://www.mdpi.com/books/reprint/7959)

Edited by

Andres Upegui

Andrea Guerrieri

Laurent Gantel



ISBN 978-3-0365-8784-4 (Hardback)

ISBN 978-3-0365-8785-1 (PDF)

Field-programmable gate array (FPGA) technology represents a potential alternative to classical CPUs and GPUs in the post-Moore era from edge computing to data centers. FPGAs offer performance improvements when compared with traditional processing architectures due to their spatial computation capability and energy efficiency. In recent years, FPGA technologies have evolved in the form of tools, design methodologies, and architectural features. These technologies have enabled or boosted novel application domains. This reprint aims to present how advances in FPGA-based technologies have made it possible for multiple application domain. As the number of applications requiring high performance and flexibility continues to evolve, we can expect to see even more and more applications in the future.



Order Your Print Copy

You can order print copies at

[www.mdpi.com/books/reprint/7959](http://www.mdpi.com/books/reprint/7959)

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.