





Special Issue Reprint

# **Advanced CMOS Devices and Applications**

www.mdpi.com/books/reprint/8624

Edited by Yi Zhao Choonghyun Lee

ISBN 978-3-03928-593-8 (Hardback) ISBN 978-3-03928-594-5 (PDF)



Dive into the forefront of semiconductor technology with our Special Issue reprint entitled, "Advanced CMOS Devices and Applications." This compilation unites a spectrum of contributions from leading experts, offering a captivating exploration of the latest breakthroughs in semiconductor technology. Uncover groundbreaking insights into 3D-stacked transistors, advanced transistor and memory processing, high-mobility channels, and novel simulation results, showcasing the cutting-edge advancements in advanced CMOS transistors and emerging non-volatile memories. The collection spans diverse topics such as 3D power scaling, advanced transistor processing, and emerging non-volatile memories, providing readers with a comprehensive panorama of the state-of-the-art developments in semiconductor technology. Crafted by eminent researchers, these articles delve into critical challenges and unveil innovative solutions, contributing significantly to the ongoing discourse in the scientific community. Whether you are a seasoned researcher, industry professional, or an eager student keen on grasping the forefront of semiconductor technology, this Reprint stands as a valuable resource. Immerse yourself in the knowledge presented by experts who have shaped the discourse in this dynamic field.





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.

MDPI AG Grosspeteranlage 5 4052 Basel Switzerland Tel: +41 61 683 77 34 www.mdpi.com/books books@mdpi.com

