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## Special Issue Reprint

# Photonic and Optoelectronic Devices and Systems, Third Edition

**Edited by: Muhammad Butt**

This Reprint presents a curated selection of recent advances in photonic and optoelectronic devices and systems, highlighting the rapid progress taking place across micro- and nanoscale technologies. The contributions offer new insights into waveguide engineering, detector development, metasurface-based sensing, display optimization, and high-speed optoelectronic components. Together, they provide an up-to-date overview of innovative design strategies, fabrication methods, and modeling approaches that are shaping next-generation optical and electronic platforms. This Reprint serves as a valuable resource for researchers and engineers working in photonics, semiconductor technologies, optical sensing, and integrated system development, offering a concise perspective on current challenges and emerging directions within these dynamic fields.

