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Metal–Semiconductor Photodetector

Guest Editors:

Prof. Dr. Liming Wang
Wide Bandgap Semiconductor Technology Disciplines State Key Laboratory, School of Microelectronics, Xidian University, Xi'an, China

Prof. Dr. Huiyong Hu
Wide Bandgap Semiconductor Technology Disciplines State Key Laboratory, School of Microelectronics, Xidian University, Xi'an, China

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Message from the Guest Editors

Photodetectors have attracted increasing attention in the past few decades, primarily due to their wide applications in various purposes, such as image sensing, optical communication, biomedical imaging, and motion detection. Metal–semiconductor photodetectors have attracted much attention due to their figures of merit, including fabrication simplicity and direct compatibility with modern high-speed integrated circuitry. Recently, efforts have been made to improve the responsivity, detectivity, and other key parameters of photodetectors.

To bring additional attention to this area of research, this Special Issue highlights progress reports, reviews, and original research articles on "Metal–Semiconductor Photodetectors"; potential topics include, but are not limited to:

- Manufacturing process for metal–semiconductor photodetectors.
- Metallic nanostructures in metal–semiconductor photodetectors.
- Carrier transport in metal–semiconductor photodetectors.
- Internal gain mechanism in metal–semiconductor photodetectors.
- Defects and dislocations near metal–semiconductor interfaces and their influence on photodetection properties.

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Editor-in-Chief

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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Contact Us

Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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crystals@mdpi.com
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