Special Issue

Circuits and Optoelectronics for Point-of-Care Medical Devices

Message from the Guest Editors

Advances in integrated circuits, optoelectronic devices, and wireless communications are rapidly paving the way for the development of portable and low-cost biomedical devices that can be applied for medical diagnostics at the point of care (POC). This Special Issue, entitled Circuits and Optoelectronics for Point-of-Care Medical Devices, welcomes original research papers that focus on the design, modeling, and implementation of new sensors, optoelectronic devices, and circuits for POC. The scope of this Special Issue also includes systems used to test POC devices. Potential topics include, but are not limited to: Biomedical sensors and interfacing circuits for POC applications; Low-power analog signal conditioning for medical devices; Patient simulator circuits and devices; Photodetectors and circuits for optical biosensing: Biomedical data transmission using visible-light communication (VLC). Review papers are also welcomed. They should provide an unbiased up-to-date overview of the state-of-the-art supported with the latest contributions from leading research groups. We look forward to your participation in this Special Issue.

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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