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Special Issue Reprint

Wearable Sensing Devices and Technology

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Edited by

Lei Jing

Jiehan Zhou

Zhan Zhang



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This reprint provides a comprehensive overview of the latest advancements in the field of wearable technology, addressing critical gaps and challenges in various applications. The research compiled in this reprint spans across multiple domains, including healthcare, security, localization, and user experience. Key contributions include innovative methods for continuous authentication using acoustic side channels, advanced localization techniques in wireless sensor networks, and enhanced sign language recognition through data glove technology. Additionally, this Special Issue highlights significant progress in healthcare systems, such as the development of predictive models for disease risk in nursing homes and the integration of optical pulse sensors for heart rate monitoring. This reprint concludes by discussing future research directions, emphasizing the need for interdisciplinary integration, improved scalability, and enhanced security in wearable devices. Therefore, this SI reprint is a valuable resource for researchers and practitioners aiming to push the boundaries of wearable sensing technology.



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