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Advanced Techniques for Acquisition and Sensing

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Message from the Collection Editors

Dear Colleagues,

Recent advances in electronics and sensing technologies have enabled the development of innovative methods and instruments which integrate acquisition, processing, storage, and communication capabilities. New acquisition systems and intelligent sensing devices can perform onboard computations, but they require proper techniques to reduce the data rate while retaining the information content, to optimize the use of available power resources and channel capacity. This Topical Collection aims to promote research that explores new frontiers and challenges in techniques for data acquisition and sensing, as well as the related measurement issues. Papers presenting innovative works, case studies, and reviews of the state-of-the-art are invited.

Best regards,

Collection Editors



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Topical Collection



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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