

Special Issue

CMOS Sensors for Tracking Applications

Message from the Guest Editors

CMOS monolithic active pixel sensors (MAPS) have been proposed as an efficient solution combining sensing and processing at a pixel level, while the three-dimensional vertical scale integration of detectors allows fabricating advanced sensors with separated layers for detection and processing, respectively. The hybrid approach (sensor and CMOS custom read-out ASIC) performing high granularity pixel read-out are still at the cutting edge of tracking technology, profiting from the continuous advances of CMOS technology. This fosters advanced and innovative applications in different scenarios such as, but not limited to, high energy physics tracking, medical interventional radiology, and space applications.

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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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