Special Issue

Active Sensors for Surface and Underground Mining Applications

Message from the Guest Editor

As the drive for automation in mining expands, the requirement for competent active sensors increases. Applications include improved situational awareness for mining machines ranging from dozers to rope shovels and draglines; volume and surface mapping to aid with underground navigation, optimized dig and dump cycle backfill optimization, and slope stability monitoring; and autonomous driving for haul trucks and range measurement in silos and ore passes, amongst others. This Special Issue, therefore, aims to put together original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the above field. Potential topics include, but are not limited to, the following: Lidar, radar, situational awareness, navigation, mapping, autonomous vehicles, collision avoidance.

Guest Editor

Dr. Graham Brooker

The School of Aerospace, Mechanical and Mechatronic Engineering (AMME), The University of Sydney, Sydney, NSW 2006, Australia

Deadline for manuscript submissions

10 July 2026

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/245148

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

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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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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