Special Issue

Safety and Health of Machine and Environment: From Sensing Data to Information

Message from the Guest Editors

Information extraction and mining from sensing data are very important for the safety state perception and health assessment of machines and their environments, including rail transit equipment, aerospace equipment, large venue buildings, tunnels, bridges, and their environments. We have thus organized this Special Issue to which scholars can contribute papers on key technologies for the health and safety of machines as well as the environment, including but not limited to:

- Advanced sensor design;
- Source localization;
- Data mining;
- Safety classifications;
- Engineering monitoring, including slope, mines, buildings, etc.;
- Tomography/imaging;
- Acquisition system design and development;
- Noise reduction, time-frequency analysis and other signal processing methods;
- Intelligent feature extraction method;
- Information mining technology;
- Design of big data platforms for environmental sensing;
- Data management methods for environmental sensing;
- Machine learning based health/safety state prediction.

Guest Editors

Dr. Tiantian Wang

School of Traffic and Transportation Engineering, Central South University, Changsha 410075, China

Prof. Dr. Longjun Dong

School of Resources and Safety Engineering, Central South University, Changsha 410083, China

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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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