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

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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.

Special Issue

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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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