

Special Issue

Analytics of Autonomous Machines

Message from the Guest Editor

With the digital transformation, the manufacturing industry is moving towards drastic and disruptive changes in the way goods are produced. Machines will become more intelligent and more autonomous. They will be expected to autonomously perform, act, and, more importantly, choose the best actions that are suitable for different situations. Based on continuous learning, they will be aware of their health status and act accordingly. Machines with artificial immune systems will adapt their performance to extend their lives through a self-healing process. They will interact safely and collaboratively with humans. This Special Issue of *Machines* is about the health of future machines; how to design them for embedded reliability, robustness, and resilience; and how to make them intelligent, autonomous, and artificially immune with a self-healing process. Authors are invited to provide their research on the aforementioned fields to indicate the future trends in the health design and management of autonomous equipment.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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