

## Special Issue

# Mechanical Equipment Reliability: Diagnosis, Prognostic and Maintenance

### Message from the Guest Editors

Mechanical equipment is a vast term that encompasses different areas, such as manufacturing, measurement, and logistics, and it is an essential asset for industry. However, issues around improving accuracy and efficiency, as well as reliability, must be solved to improve mechanical equipment performance. Operational safety, maintenance cost effectiveness, and availability have a direct impact on the competitiveness of machinery, and there is therefore a pressing need to continuously develop and improve reliability technologies for mechanical equipment, which is important for both equipment manufacturers and users. This Special Issue will be devoted to state-of-the-art research on reliability technologies and applications for mechanical equipment and their subsystems and components, such as machine tools, measuring instrument, industrial robots, articulated arms, motorized spindles, turrets, automatic tool changers (ATCs), etc. We seek submissions with an original perspective and advanced thinking on the theme addressed. Research on theories, simulations, experiments, and engineering applications is welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 January 2022)



## Machines

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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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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
CISE–Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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