Special Issue

Application of 3D Scanners and Digital Methods in Wear Assessment

Message from the Guest Editors

Wear assessment is an issue of great significance in mechanics and biomechanics as it is fundamental in the study of resistance and useful life of components and validation of wear models, the aim of it being to enhance the design and tribological performance. In this Special Issue, we will provide a broad range of research from experimental results to theoretical approaches focused on the use of 3D scanners and digital methods for wear assessment. We are pleased to invite researchers who are specialized in this field and willing to contribute their work. New approaches, instruments and techniques based on 3D optical scanners and digitizers to quantify the material loss and deepen the investigation of wear effects and mechanisms are particularly welcome in this Special Issue.

Guest Editors

Dr. Silvia Logozzo
Department of Engineering, University of Perugia, 1, 06123 Perugia, Italy

Dr. Maria Cristina Valigi
Department of Engineering, University of Perugia, 06125 Perugia, Italy

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Applied Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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