Special Issue

Machine Vision Approaches for Evaluating Fretting Damage of Components

Message from the Guest Editor

Machine vision is known as a useful technique in tribology. Continuous improvements in computational power have led to remarkable advancements in machine vision. A variety of machine vision systems have been developed in tribology. However, little is found on the development of a machine vision system related to fretting damage to components. Thus, we invite authors to submit articles and review papers related to machine vision techniques for fretting damage. The proposed machine vision includes the evaluation of fretting damage to components, surface roughness characterization for the deposition of lubricants, crack detection on controlled surfaces, the prediction of the fretting lifetime of lubricants, or vision-based machine learning.

Guest Editor

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Message from the Editor-in-Chief

Friction, wear, and lubrication are tribological phenomena that govern the behavior of interacting surfaces in a wide range of machine components. Understanding the physical and chemical nature of these phenomena is critical to achieving long component lifetime and economical operation. Research in the field of tribology is highly interdisciplinary, and encompasses the fields of physics, chemistry, engineering, and mathematical modeling. *Lubricants* invites contributions on new advances in all areas of tribology for publication as peer-reviewed research articles, reviews of current research, letters, and communications. We are committed to providing timely reviews of all articles submitted. Please consider sharing your work with the scientific community through publication in *Lubricants.*

Editor-in-Chief

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