Special Issue

Applications of Image Analysis in Thermal Sensors Imaging

Message from the Guest Editors

Thermal remote sensing technology (thermography) is the branch of remote sensing used to determine thermal properties of any objects of interest. Thermal remote sensing uses recorded electromagnetic radiation reflected or emitted from an object recorded as thermal images. Thermal images are used directly or indirectly in many application of biomedical engineering especially as potential indicators of effort or and can provide more sophisticated information about physical activity or Despite extensive research into thermal imaging for disease diagnosis, it cannot be denied that there is still a lack of standardised databases and analysis of thermal images in various disease states that could provide a useful aid to research. However, besides thermal image acquisition, image processing constitutes an excellent research area, the development of which can significantly expand the available prophylactic, screening, and clinical applications of thermography in both medicine and veterinary practice.

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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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