



Holography, Interferometry and Infrared Thermography Advances and Applications in Cultural Heritage

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Message from the Guest Editors

Dear Colleagues,

Cultural Heritage is of great value for human civilisation. Their documentation, maintenance and preservation plays a key role to culture identity worldwide. In last decade, the active thermography has become increasingly widespread in CH diagnosis. The thermal response of heated surfaces provide information of the volume at millimetric scale. Holography, 3D imaging, 3D scanning, and related 3D space reconstruction techniques allow to capture and archive for future representation entire historical spaces, art objects' 3D shape, texture, color and micromorphology. Interferometry and its counterparts, as highly sensitive to spatial alterations methods, provide quantitative information in microscale of slight surface deformation either due to internal defects or external disturbances, allowing monitoring of structural state directly from the surface of the artwork; and is used in artwork and building risk assessment, documentation and preventive conservation. This special issue aims to address the progress on technologies that have witnessed increase in demand and they are dealing with current challenges to provide advanced solutions in the field of CH.

Guest Editor





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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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