



International Conference on Image Processing Theory, Tools & Applications

<http://www.ipta-conference.com/ipta22/>

April 19-22, 2022, Salzburg – Austria



Call For Special Session Proposals

Special Session Chairs:

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Special session Title:

Structural Health Monitoring Using Computer Vision and Deep Learning Techniques

Aims & topics:

Structural Health Monitoring (SHM) using computer vision technologies has attracted a lot of interest in recent years, mainly due to its advantages such as non-contact, speed and low interference with the daily operation of structures. The aim of this Special Session is to report recent theoretical, computational, and experimental advances in using advanced computer vision, and machine learning approaches for structural identification, control, damage detection, and health monitoring. Topics relevant to this Special Issue include but are not limited to multimodal sensing, deep learning, innovative imaging for structures, image/video data collection and analysis, damage detection, classification, convolutional neural networks, quantification and localization, change recognition and displacement measurements. We encourage submissions of conceptual, empirical, and literature review papers focusing on this field, regardless of the application area.