

## Special Issue

# Full-Field Optical Measurement Techniques for Damage Assessment

### Message from the Guest Editors

The ability to detect damage to components or infrastructure at an early stage is essential in many application fields, including aeronautics, wind turbines, bridges, etc. Full-field vibration measurement techniques like laser vibrometry, holography, shearography or digital image correlation are used to detect, locate and quantify damage through the high spatial resolution measurement data they deliver. These methods are used to detect cracks, delaminations and wear in several types of materials. Camera-based techniques like infrared thermography and non-destructive testing are also used to detect other types of damage like corrosion, coating degradation, etc. The aim of this Special Issue is to provide an overview of the state-of-the-art of the capabilities and limitations of optical measurement techniques for damage detection. Both review articles and papers relating to the application of full-field optical measurement techniques for damage detection and/or damage assessment are solicited. Papers on innovative optical measurement techniques, optimized measurement set-ups, pre- and post-processing methods and novel detection techniques are also welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2020)



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### Editor-in-Chief

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