

River Publishers Series in Conference Proceedings of the Society for Experimental Mechanics Series

Advancements in Optical Methods & Digital Image Correlation in Experimental Mechanics, Volume 3

Proceedings of the 2019 Annual Conference on Experimental and Applied Mechanics

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Description:

Advancement of Optical Methods & Digital Image Correlation in Experimental Mechanics, Volume 3 of the Proceedings of the 2019 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the third volume of six from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on a wide range of optical methods ranging from traditional photoelasticity and interferometry to more recent DIC and DVC techniques, and includes papers in the following general technical research areas:

- DIC Methods & Its Applications
- Photoelsticity and Interferometry Applications
- Micro-Optics and Microscopic Systems
- Multiscale and New Developments in Optical Methods
- DIC and its Applications for Inverse Problems

Keywords: Conference Proceedings Society for Experimental Mechanics New Developments in Optical Methods & Fringe Pattern Analysis DIC Applications for Challenging Environments Optical Methods in SEM: History & Perspective

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