



## Imaging Methods for Novel Materials and Challenging Applications, Volume 3: Proceedings of the 2012 Annual Conference on Experimental and Applied Mechanics (Hardback)

By -

Springer-Verlag New York Inc., United States, 2012. Hardback. Condition: New. 2013 ed.. Language: English . Brand New Book. Imaging Methods for Novel Materials and Challenging Applications, Volume 3: Proceedings of the 2012 Annual Conference on Experimental and Applied Mechanics, the third volume of seven from the Conference, brings together 62 contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Experimental and Applied Mechanics, including papers on: Role of optical interferometry in advancement of material characterization Three-dimensional imaging and volumetric correlation Digital holography and experimental mechanics Digital image correlation Metrology and displacement measurement at different scales Optical methods for dynamic tests Optical methods for and with MEMS and NEMS Thermomechanics and infrared imaging Imaging methods applied to biomaterials and soft materials Applied photoelasticity Optical measurement systems using polarized light Hybrid imaging techniques Contouring of surfaces Novel optical techniques.



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