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Computer Vision and SLDV for Structural Dynamics, 2026, Vol. 6

Proceedings of the 44th IMAC, A Conference and Exposition on Structural Dynamics 2026

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Description:

Computer Vision & SLDV for Structural Dynamics, Volume 6: Proceedings of the 44th IMAC, A Conference and Exposition on Structural Dynamics, 2026, the sixth volume of ten from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Computer Vision and SLDV for Structural Dynamics including papers on:

- Novel Techniques
- Optical Methods,
- SLDV Methods
- Photogrammetry & DIC

Keywords: 3D-DIC, Stereo vision, SHM, 3D-PT, UAV, SHM, Generative Artificial Intelligence, X-Ray, NeRF, finite element, TWFs, DFTs, ODS-FRFs, Event cameras, PCA tracker, Real-time tracking, Displacement estimation, Multichannel Laser Radar, Geomorphology, Speckle Pattern, Randomness, Repeatability

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