Marcus Aßmus List of Publications

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[9] M. Haghi, M. Aßmus, K. Naumenko, and H. Altenbach. "Mechanical Models and Finite-Element Approaches for the Structural Analysis of Photovoltaic Composite Structures: A Comparative Study". In: *Mechanics of Composite Materials* 54.4 (2018), pp. 415–430. DOI: 10.1007/s11029-018-9752-6.

- [8] J. Nordmann, M. Aßmus, and H. Altenbach. "Visualising Elastic Anisotropy: Theoretical Background and Computational Implementation". In: *Continuum Mechanics and Thermodynamics* 30.4 (2018), pp. 689–708. DOI: 10.1007/s00161-018-0635-9.
- [7] M. Aßmus, K. Naumenko, and H. Altenbach. "Mechanical Behaviour of Photovoltaic Composite Structures: Influence of Geometric Dimensions and Material Properties on the Eigenfrequencies of Mechanical Vibrations". In: *Composites Communications* 6.- (2017), pp. 59–62. DOI: 10.1016/j.coco.2017.10.003.
- [6] M. Aßmus, J. Eisenträger, and H. Altenbach. "Projector Representation of Isotropic Linear Elastic Material Laws for Directed Surfaces". In: *Zeitschrift für Angewandte Mathematik und Mechanik* 97.12 (2017), pp. 1625–1634. DOI: 10.1002/zamm.201700122.
- [5] M. Aßmus, S. Bergmann, K. Naumenko, and H. Altenbach. "Mechanical Behaviour of Photovoltaic Composite Structures: A Parameter Study on the Influence of Geometric Dimensions and Material Properties under Static Loading". In: *Composites Communications* 5.- (2017), pp. 23–26. DOI: 10.1016/ j.coco.2017.06.003.
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- [3] W. Herrmann, N. Bogdanski, F. Reil, M. Köhl, K.-A. Weiß, M. Aßmus, and M. Heck. "PV module degradation caused by thermomechanical stress: real impacts of outdoor weathering versus accelerated testing in the laboratory". In: *Proceedings of the International Society for Optical Engineering (Reliability of Photovoltaic Cells, Modules, Components, and Systems III)*. Vol. 7773. San Diego, USA, 2010, p. 0I. DOI: 10.1117/12.859809.
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Marcus Aßmus List of Publications

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[1] M. Aßmus, S. Bergmann, J. Eisenträger, K. Naumenko, and H. Altenbach. "Consideration of Non-Uniform and Non-Orthogonal Mechanical Loads for Structural Analysis of Photovoltaic Composite Structures". In: *Mechanics for Materials and Technologies*. Ed. by H. Altenbach, R. V. Goldstein, and E. Murashkin. Vol. 46. Advanced Structured Materials. Singapore: Springer, 2017, pp. 73–122. DOI: 10.1007/978-3-319-56050-2_4.

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[1] M. Aßmus. *Structural Mechanics of Anti-Sandwiches. An Introduction*. SpringerBriefs in Continuum Mechanics. Cham: Springer, 2019. DOI: 10.1007/978-3-030-04354-4.

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