

## Publikationen

- (2019): Zero-point clamping systems in optical production. In: Proceedings of SPIE 11171 (Sixth European Seminar on Precision Optics Manufacturing, 1117101 [April 9th-10th 2019, Teisnach]), Bellingham, WA, USA. DOI: 10.1117/12.2528774.
- (2019): Mid-spatial frequency errors in feed direction occurring in ADAPT polishing. In: Proceedings of SPIE 11171 (Sixth European Seminar on Precision Optics Manufacturing, 1117101 [April 9th-10th 2019, Teisnach]), Bellingham, WA, USA. DOI: 10.1117/12.2528114.
- (2019): CGH-Based Interferometer Measurements of Round Robin Asphere. In: 10th High Level Expert Meeting (HLEM) Asphere Metrology on Joint Investigations, Braunschweig.
- (2018): Model based error separation of power spectral density artefacts in wavefront measurement. In: SPIE Optical Engineering + Applications Conference on Interferometry XIX, San Diego, CA, USA.
- (2018): Interlaboratory comparison measurements of aspheres. In: Measurement Science and Technology, vol. 29, no. 5. DOI: 10.1088/1361-6501/aaae96.
- (2018): Model based error separation of power spectral density artefacts in wavefront measurement. In: Proceedings of SPIE 10749 (SPIE Optical Engineering + Applications Conference on Interferometry XIX [August 19-23, 2018; San Diego, CA, USA]). DOI: 10.1117/12.2321106.
- (2018): Contribution of the phase transfer function of extended measurement cavities to mid spatial frequencies and the overall error budget. In: Proceedings of SPIE 10829 (Fifth European Seminar on Precision Optics Manufacturing [April 10-11, 2018; Teisnach]). DOI: 10.1117/12.2318711.
- (2018): DefGO. In: Proceedings of SPIE 10829 (Fifth European Seminar on Precision Optics Manufacturing [April 10-11, 2018; Teisnach]). DOI: 10.1117/12.2318704.
- (2018): ABC-polishing. In: Proceedings of SPIE 10829 (Fifth European Seminar on Precision Optics Manufacturing [April 10-11, 2018; Teisnach]). DOI: 10.1117/12.2318549.
- (2017): Contribution of the phase transfer function of extended measurement cavities to mid spatial frequencies and the overall error budget. In: Fifth European Seminar on Precision Optics Manufacturing, Teisnach.
- (2017): Cheap and fast measuring roughness on big surfaces with an imprint method. In: Proceedings of SPIE 10448 (SPIE Optifab [October 16-19, 2017; Rochester, NY, USA]).
- (2016): Deflectometric Acquisition of Large Optical Surfaces " DaOS" Using a New Physical Measurement Principle: Vignetting Field Stop. (Reprinted from Proceedings of SPIE Volume 10009: Third European Seminar on Precision Optics Manufacturing, 100090Y [Teisnach, April 12th 2016] doi:10.1117/12.2236134). In: Bavarian Journal of Applied Sciences, no. 2, pp. 146-161.
- (2016): Deflectometric acquisition of large optical surfaces (DaOS) using a new physical measurement principle: vignetting field stop procedure. In: Proceedings of SPIE 10009 (Third European Seminar on Precision Optics Manufacturing, 100090Y [April 12th 2016, Teisnach]). DOI: 10.1117/12.2236134.
- (2016): Surface reconstruction by using Zernike polynomials. In: Proceedings of SPIE 10009 (Third European Seminar on Precision Optics Manufacturing, 100090Y [April 12th 2016, Teisnach]). DOI: 10.1117/12.2236305.
- (2016): Interferometric measurement of highly accurate flat surfaces. In: Proceedings of SPIE 10009 (Third European Seminar on Precision Optics Manufacturing, 100090Y [April 12th 2016, Teisnach]). DOI: 10.1117/12.2235525.

- (2015): HLEM Round Robin Asphere Test 2015 at the Deggendorf Institute of Technology. In: 7th High Level Expert Meeting 2015 - Asphere Metrology On Joint Investigations, Teisnach.
- (2015): The vignetting field stop procedure: A new physical measurement principle for the Deflectometric acquisition of big Optical Surfaces - DaOS. In: DGaO Proceedings (116. Jahrestagung in Brno, Tschechische Republik, 25.-29.05.2015).
- (2014): Process development for the reproducible roughness measurement of optical surfaces using white light interferometry. In: International Journal of Metrology and Quality Engineering (EDP Sciences), vol. 5, no. 1, pp. 29-35.
- (2014): Generation and field testing of roughness reference samples for industrial testing of surface roughness levels below 0.5nm Sq. In: Proceedings of EOSAM 2014 (European Optical Society Annual Meeting) [Sep 15-19 2014, Berlin, Germany].
- (2014): Shape and roughness in white light interferometric measurement. In: 1st European Seminar on Precision Optics Manufacturing, Teisnach.
- (2014): Automatische Kratzererkennung an hochpräzisen Drehteilen. „Projekt KonoScan“. In: SENSOR + TEST, Nürnberg.
- (2013): Approach to the measurement of astronomical mirrors with new procedures. In: Optical Metrology 2013, Optical Measurement Systems for Industrial Inspection VIII, volume 8788.
- (2013): Messportal TC Teisnach. In: 6. Optikseminar - Agenda zur modernen Optikfertigung, Teisnach.
- (2012): GF-Projekt Optasens - Combination and evaluation of different optical and tactile sensor and measuring methods for analysis and global form-measurement on optical surfaces. Posterpräsentation. In: F.O.M.-Marktplatz der Forschungsprojekte, Berlin.
- (2012): Dreistrahlaserinterferometrie zur Topographievermessung ebener Flächen. In: Photonik - Fachzeitschrift für die optischen Technologien, vol. 4, pp. 38-40.
- (2012): Hochgenaue Optische Abstandssensoren in Messtechnik und Qualitätssicherung. In: 1. Optence Messtechnik Symposium, Darmstadt.
- (2012): Metrology at Technologie Campus Teisnach. In: 8th Workshop Asphere Metrology, Braunschweig.