

Publikationen

O. Föhnle, Christian Vogt, Rolf Rascher, Christian J. Trum, Sebastian Sitzberger (2018): First experiences with Filled-Up-Microscopy (FUM) to evaluate the depth of sub-surface damages on ground surfaces. In: Proceedings of EOSAM 2018 (European Optical Society Biennial Meeting; October 2018; Delft, The Netherlands): Optical System Design, Tolerancing, and Fabrication.

Rolf Rascher, Christian J. Trum, M. Zäh (2018): Effizientes chemisch-mechanisches Polieren (CMP). In: Werkstattstechnik online-wt-online, no. 3, pp. 174-179.

Rolf Rascher, Christian J. Trum, Sebastian Sitzberger (2018): Improved performance of CMP processes through targeted adjustment of polishing slurry and polish pad. In: Proceedings of SPIE Optical Engineering + Applications (19-23 August, 2018; Optical Manufacturing and Testing XII; San Diego, CA, USA), San Diego, United States, vol. 10742. DOI: 10.1117/12.2321031.

O. Föhnle, Christian Vogt, Rolf Rascher, Christian J. Trum, Sebastian Sitzberger (2018): Filled-Up-Microscopy (FUM): a non-destructive method for approximating the depth of sub-surface damage on ground surfaces. In: Proceedings of SPIE 10829 (Fifth European Seminar on Precision Optics Manufacturing [April 10-11, 2018; Teisnach]). DOI: 10.1117/12.2318576.

Rolf Rascher, M. Zaeh, Christian J. Trum, Sebastian Sitzberger (2018): Workpiece self-weight in precision optics manufacturing: compensation of workpiece deformations by a fluid bearing. In: Proceedings of SPIE 10829 (Fifth European Seminar on Precision Optics Manufacturing [April 10-11, 2018; Teisnach]). DOI: 10.1117/12.2318577.

Rolf Rascher, Christian J. Trum, Sebastian Sitzberger (2017): Analysis of the influence of the workpiece self-weight in precision optics manufacturing using FEM simulation. In: Proceedings of SPIE 10326 (Fourth European Seminar on Precision Optics Manufacturing, 1032601 [April 4th-5th 2017, Teisnach]). DOI: 10.1117/12.2273023.

Rolf Rascher, Christian J. Trum, Sebastian Sitzberger (2017): Advanced method for the characterization of polishing suspensions. In: Proceedings of SPIE 10326 (Fourth European Seminar on Precision Optics Manufacturing, 1032601 [April 4th-5th 2017, Teisnach]). DOI: 10.1117/12.2272431.

Christian J. Trum, Robert Schneider (2016): Hexapod as primary kinematic system for applications in the optic industry. In: Proceedings of SPIE 10009 (Third European Seminar on Precision Optics Manufacturing, 100090Y [April 12th 2016, Teisnach]). DOI: 10.1117/12.2235400.

Rolf Rascher, Christian J. Trum (2016): Improving efficiency of chemo-mechanical polishing processes by systematic selection and conditioning of the polishing suspension. In: Proceedings of SPIE 10009 (Third European Seminar on Precision Optics Manufacturing, 100090Y [April 12th 2016, Teisnach]). DOI: 10.1117/12.2236000.

Heiko Biskup, Rolf Rascher, Christian J. Trum (2015): Stabilität im Polierprozess. In: Newsletter Bayern Photonics (Innovationsnetzwerk Optische Technologien), no. Oktober.

Christine Wünsche, Heiko Biskup, Roland Maurer, Rolf Rascher, Christian J. Trum (2013): Determination of a suitable parameter field for the active fluid jet polishing process. In: Optifab 2013, vol. Volume 8884. DOI: 10.1117/12.2028752.

Rolf Rascher, Christian J. Trum, Sebastian Sitzberger: Improved performance of CMP processes through targeted adjustment of polishing slurry and polish pad. In: SPIE Optical Engineering + Applications 2018, San Diego, CA, USA.

Christian J. Trum: The critical success factor slurry in the polishing process. Workshop "Glas?Klar! Clear as Glass". In: 92. Glastechnische Tagung 2018 der HVG-DGG, Bayreuth.

Christian J. Trum: Erweiterte Methode zur Charakterisierung von Poliersuspensionen. Posterpräsentation. In: 5. Tag der Forschung, Deggendorf.

Rolf Rascher, M. Zaeh, Christian J. Trum, Sebastian Sitzberger: Workpiece self-weight induced deformation in precision optics manufacturing. Posterpräsentation. In: 5. Tag der Forschung, Deggendorf.

Heiko Biskup, Christian J. Trum: Reduzierter Versuchsumfang durch gezielte Versüchsführung am Beispiel des „Active Fluid Jet Polishing“. In: 6. Optikseminar - Agenda zur modernen Optikfertigung, Teisnach.

Christine Wünsche, Heiko Biskup, Rolf Rascher, Sebastian Draxinger, Christian J. Trum: Active Fluid Jet Polishing - Behaviour on Different Materials. In: Optical Fabrication and Testing (OF&T), Kohala Coast, HI, USA.

Christian Vogt, Heiko Biskup, Christian J. Trum: AFJP - A review of a sub-aperture polishing technology. In: EOS Conferences at the World of Photonics Congress, München.

Heiko Biskup, Christian J. Trum: Active Fluid Jet Polishing - Verhalten auf verschiedenen Glasmaterialien. In: 1. Tag der Forschung, Deggendorf.

Heiko Biskup, Christian J. Trum: Active Fluid Jet Polishing - Verhalten auf verschiedenen Glasmaterialien. In: 6. Optikseminar - Agenda zur modernen Optikfertigung, Teisnach.