

Authored and Co-authored Works

- [1] **L. Bureš**, *Tracking of the hand movement in 3D using two cameras*, Master Thesis, 2013.
- [2] **L. Bureš**, M. Hružík, L. Müller, D. Maňas, and M. Maňas, *Automatic Optical Detection of Indentation into Polymers for Inner Stress Analysis*, International Conference on Mining, Material and Metallurgical Engineering (MMME'14), Prague, 2014.
- [3] **L. Bureš**, *Rozšířená realita s využitím klíčových bodů*, SVK 2014 – magisterské a doktorské studijní programy, sborník rozšířených abstraktů, ZČU Plzeň, 2014.
- [4] **L. Bureš** participated at *Vision and Sports Summer School*, CMP ČVUT Praha, 18-23 August 2014.
- [5] **L. Bureš** and P. Neduchal, *Identifikace příznaků diabetické retinopatie z obrázků očí*, SVK 2015 - magisterské a doktorské studijní programy, sborník rozšířených abstraktů, ZČU Plzeň, 2015.
- [6] P. Neduchal and **L. Bureš**, *Systém automatické kontroly semestrálních prací (SAKo)*, SVK 2015 - magisterské a doktorské studijní programy, sborník rozšířených abstraktů, ZČU Plzeň, 2015.
- [7] **L. Bureš**, *Vizuální detekce vláken v řezu kompozitního materiálu*, SVK 2016 - magisterské a doktorské studijní programy, sborník rozšířených abstraktů, ZČU Plzeň, 2016.
- [8] **L. Bureš** and L. Müller, *Selecting Keypoint Detector and Descriptor Combination for Augmented Reality Application*, 18th International Conference on Speech and Computer, SPECOM 2016, Hungary, 2016.
- [9] P. Neduchal and **L. Bureš**, *Využití dvourozměrné Fourierovy transformace v úloze zarovnání naskenovaného dokumentu*, SVK 2016 - magisterské a doktorské studijní programy, sborník rozšířených abstraktů ZČU Plzeň, 2016.

AUTHORED AND CO-AUTHORED WORKS

- [10] H. Srbová, **L. Bureš**, I. Pirner, and R. Zemčík, *Algorithm for Visual Fiber Detection from Composite Cross-Section*, Program and Book of Abstract (24th International Conference on Materials and Technology), Slovenia, 2016.
- [11] L. Skorkovská, P. Neduchal, Z. Zajíc, P. Ircing, L. Müller, and **L. Bureš**, *First Insight into the Processing of the Historical Documents from the Period of Totalitarian Regimes*, Data a znalosti 2017, Plzeň, 2017.
- [12] **L. Bureš**, F. Berka, and L. Müller, *Comparison of Feature Extraction Methods for Finding Similar Images*, Interactive Collaborative Robotics Second International Conference, ICR 2017, Great Britain, 2017.
- [13] **L. Bureš**, *Visual Keypoints Detectors and Descriptors*, Ph.D. study report, 2018.
- [14] **L. Bureš**, P. Neduchal, M. Hlaváč, M. Hruží, *Generation of Synthetic Images of Full-Text Documents*, 20th International Conference on Speech and Computer, SPECOM 2018, Germany, 2018.
- [15] H. Zemčík, T. Kroupa, R. Zemčík, and **L. Bureš**, *Influence of fiber spatial distribution in unidirectional composite cross-section on homogenized elastic parameters*, Journal: Composite Structures (**4-year Impact Factor: 6.005**), 2018.
- [16] Z. Zajíc, L. Zajícová, P. Neduchal, P. Ircing, J. Psutka, M. Hruží, A. Pražák, D. Soutner, J. Švec, **L. Bureš**, and L. Müller, *Towards Processing of the Oral History Interviews and Related Printed Documents*, Proceedings of the Eleventh International Conference on Language Resources and Evaluation (LREC) (**Impact Score: 3.13**), 2018.
- [17] P. Neduchal, **L. Bureš**, and M. Železný, *Environment Detection System for Localization and Mapping Purposes*, IFAC PapersOnline, 2019.
- [18] **L. Bureš**, I. Gruber, P. Neduchal, M. Hlaváč, and M. Hruží, *Semantic Text Segmentation From Synthetic Images of Full-text Documents*, Journal: SPIIRAS Proceedings (**Impact Factor: 0.56**), 2019.
- [19] **L. Bureš**, P. Neduchal, and L. Müller, *Automatic Information Extraction from Scanned Documents*, 22th International Conference on Speech and Computer, SPECOM 2020, Russia, 2020.
- [20] **L. Bureš** and L. Müller, *Semantic Segmentation in the Task of Long-Term Visual Localization*, Interactive Collaborative Robotics Second International Conference, ICR 2021, Russia, 2021.