

A. Michal Uříčář's publications

A.1 Publications related to the thesis

A.1.1 Impacted journal papers excerpted by ISI

[Čech et al., 2016] Čech, J., Franc, V., **Uříčář, M.**, and Matas, J. (2016). Multi-view facial landmark detection by using a 3D shape model. *Image and Vision Computing*, 47:60–70. [25%].

[**Uříčář, M.** et al., 2016] **Uříčář, M.**, Franc, V., Thomas, D., Sugimoto, A., and Hlaváč, V. (2016). Multi-view facial landmark detector learned by the structured output SVM. *Image and Vision Computing*, 47:45–59. [55%].

A.1.2 Conference papers excerpted by ISI

[**Uříčář** et al., 2012] **Uříčář, M.**, Franc, V., and Hlaváč, V. (2012). Detector of Facial Landmarks Learned by the Structured Output SVM. In *Proceedings of the International Conference on Computer Vision Theory and Applications, VISAPP'12*, volume 1, pages 547–556, Rome, Italy. [50%].

[**Uříčář, M.** et al., 2013] **Uříčář, M.**, Franc, V., and Hlaváč, V. (2013). Bundle methods for structured output learning — back to the roots. In *Proceedings of the 18th Scandinavian Conference on Image Analysis, SCIA'13*, Lecture Notes in Computer Science, Berlin, Germany. Springer-Verlag. [45%].

[**Uříčář, M.** et al., 2013] **Uříčář, M.**, Franc, V., and Hlaváč, V. (2013). Facial Landmarks Detector Learned by the Structured Output SVM. In Csurka, G., Kraus, M., Laramee, R. S., Richard, P., and Braz, J., editors, *Computer Vision, Imaging and Computer Graphics. Theory and Application*, volume 359 of *Communications in Computer and Information Science*, pages 383–398. Springer, Heidelberg, Germany. [50%].

[**Uříčář, M.** et al., 2015a] **Uříčář, M.**, Franc, V., and Hlaváč, V. (2015a). Facial Landmark Tracking by Tree-based Deformable Part Model Based Detector. In *Proceedings of IEEE International Conference on Computer Vision, 300 Videos in the Wild (300-VW): Facial Landmark Tracking in-the-Wild Challenge & Workshop, ICCVW'15*, Santiago, Chile. IEEE. [60%].

[Uřičář, M. et al., 2015b] Uřičář, M., Franc, V., Thomas, D., Sugimoto, A., and Hlaváč, V. (2015b). Real-time Multi-view Facial Landmark Detector Learned by the Structured Output SVM. In *Proceedings of the 11th IEEE International Conference on Automatic Face and Gesture Recognition Conference and Workshops, BWILD'15*, Ljubljana, Slovenia. IEEE. [50%].

[Uřičář, M. et al., 2016] Uřičář, M., Timofte, R., Rothe, R., Matas, J., and Van Gool, L. (2016). Structured output svm prediction of apparent age, gender and smile from deep features. In *2016 IEEE Conference on Computer Vision and Pattern Recognition Workshops, CVPR Workshops, Las Vegas, NV, USA, June 26–July 1, 2016*. [50%].

A.1.3 Other conference papers

[Uřičář, M. and Franc, 2012] Uřičář, M. and Franc, V. (2012). Efficient algorithm for regularized risk minimization. In *Proceedings of the 17th Computer Vision Winter Workshop, CVWW'12*, pages 57–64, Ljubljana, Slovenia. [50 %].

A.2 Other publications

A.2.1 Conference papers

[Uřičář et al., 2018] Uřičář, M., Křížek, P., Hurych, D., and Yogamani, S. (2018). Towards optimal design of datasets and validation scheme for autonomous driving. In *The Thirty-second Annual Conference on Neural Information Processing Systems Workshops, CRACT: Critiquing and Correcting Trends in Machine Learning, NIPS/(NeurIPS) Workshops, Montréal, QB, Canada, December 2–8, 2018*. [50%].

[Uřičář et al., 2019] Uřičář, M., Křížek, P., Sobh, I., Hurych, D., Yogamani, S., and Denny, P. (2019). Yes, we GAN: Applying adversarial techniques for autonomous driving. In *2019 IST International Symposium on Electronic Imaging, Autonomous Vehicles and Machines 2019, San Francisco, CA, US, January 13–17, 2019*. [50%].