

Mgr. Ondřej Drbohlav, PhD

Born 1974
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Education

2003 PhD degree from the Faculty of Electrical Engineering, Czech Technical University in Prague
1997 MSc Degree in physics from the Faculty of Mathematics and Physics, Charles University, Prague

Language skills

English fluent
French, Slovene basic communication skills

Employment

2008 — now Researcher at the Department of Cybernetics, Faculty of Electrical Engineering, Czech Technical University in Prague
2006 — 2008 Marie Curie Postdoc at the Visual Cognitive Systems Laboratory of the Faculty of Computer and Information Science, University of Ljubljana, Slovenia
2004 — 2006 Marie Curie Research Fellow at the Texture Lab of the School of Mathematics and Computer Science, Heriot-Watt University, Edinburgh, UK

Teaching Experience (all within the FEE CTU)

Bc courses Recognition (preparation of lecture materials, responsible for labs), Optimization (2017-2020, student assignment preparation, seminars), Digital Image (student assignment preparation, lab tutor), Solving Problems and Games (2015, lab tutor)
MSc courses Computer Vision Methods (preparation of lecture materials, responsible for labs), Team Work (coordinating within the Dept. of Cybernetics; 2015–2016: co-managing the course)

Programming

Python, Matlab Routine use in research and teaching.
C, C++ Use in past projects.

Bibliometrics

Web of Science Citations w/o self-citations: 303, h-index: 10.
Google Scholar Citations: 1252, h-index: 13.

Selected Publications

- Kristan, M., Matas, J., Leonardis, A., Felsberg, M., Pflugfelder, R., Kamarainen, J.-K., Chang, H. J., Danelljan, M., Cehovin, L., Lukežič, A., Drbohlav, O., Kapyla, J., Hager, G., Yan, S., Yang, J., Zhang, Z., Fernandez, G.: The Ninth Visual Object Tracking VOT2021 Challenge Results. In *Proceedings of the IEEE/CVF International Conference on Computer Vision*, 2022.
- Šerých, J., Matas, J. and Drbohlav, O.: Fast L1-based RANSAC for homography estimation. In *21st Computer Vision Winter Workshop*, 2016.
- Drbohlav, O. and Leonardis, A.: Towards correct and informative evaluation methodology for texture classification under varying viewpoint and illumination. *Computer Vision and Image Understanding*, 114(4):439-449, 2010. (IF: 4.886)
- Padilla, S., Drbohlav, O., Green, P., Spence, A. and Chantler, M.: Perceived roughness of $1/f^\beta$ noise surfaces. *Vision Research*, 48(17):1791-7, 2008. (IF: 1.984)
- Omerčević, D., Drbohlav, O. and Leonardis, A.: High-Dimensional Feature Matching: Employing the Concept of Meaningful Nearest Neighbors. In *ICCV2007: Proceedings of the 10th IEEE International Conference on Computer Vision*, 2007.
- Drbohlav, O. and Chantler, M.: Can two specular pixels calibrate photometric stereo? In *ICCV2005: Proceedings of the 10th IEEE International Conference on Computer Vision*, vol. II, pp. 1850-1857, 2005. (oral presentation)
- Drbohlav, O. and Šára, R.: Specularities reduce ambiguity of uncalibrated photometric stereo. In *Proc. European Conference on Computer Vision*, volume 2, pages 46–60, 2002. (oral presentation)

Organized Conferences

- Mike Chantler and Ondřej Drbohlav, editors. *Texture 2005 : Proceedings of the 4th International Workshop on Texture Analysis and Synthesis (Beijing, China, 2005.)*
- Ondřej Drbohlav, editor. *Computer Vision — CVWW'03 : Proceedings of the 8th Computer Vision Winter Workshop (Valtice, Czech Republic 2003.)*

In Prague, June 2023.