

## prof. Ing. Martin Čadík, Ph.D. – Curriculum Vitæ (November, 2025)

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612 66 Brno, Czech Republic *www:* <https://www.fit.vut.cz/~cadik/>
- EDUCATION 2002–2008: *Ph.D. studies* at the Department of Computer Science and Engineering, Faculty of Electrical Engineering, Czech Technical University in Prague; outstanding dissertation award  
1996–2002: *Ms.C. studies (Ing.)* at the Department of Computer Science and Engineering, FEE, Czech Technical University in Prague; graduated in computer graphics with distinction
- WORKING EXPERIENCE 2025–now: Department of Computer Graphics and Multimedia, BUT Brno, Czech Republic; position: professor, researcher  
2015–2025: Department of Computer Graphics and Multimedia, BUT Brno, Czech Republic; position: associate professor, researcher  
2013–2015: Department of Computer Graphics and Multimedia, BUT Brno, Czech Republic; position: assistant professor, researcher  
2009–2013: Max-Planck-Institut für Informatik, Saarbrücken; position: post-doc, researcher  
2007–2009: Computer Graphics Group, Faculty of Electrical Engineering, Czech Technical University in Prague; position: researcher
- RESEARCH VISITS 2019: Bar Ilan University, Israel (Y. Keller); Visual geo-localization  
2019: Purdue University, West Lafayette, USA (B. Benes); Computational photography and visual perception  
2016: INRIA - Willow Project, Paris, France (J. Sivic); Visual geo-localization  
2012: Czech Technical University, Prague, Czech Republic (D. Sýkora); Visual perception for cartoon animations  
2012: Bangor University, Wales, United Kingdom (R. Mantiuk); Objective image quality assessment  
2008: Universitat de Girona, Girona, Spain (L. Neumann, R. Garcia); Real-time HDR tone mapping  
2007: Computer Vision and Robotics Group, University of Girona, Girona, Spain (L. Neumann, R. Garcia); HDR tone mapping, color to grayscale conversion  
2005: Institute of Computer Graphics and Algorithms, Vienna University of Technology, Austria (S. Jeschke, M. Wimmer, A. Neumann); high dynamic range imaging  
2004: Institute of Computer Graphics and Algorithms, Vienna University of Technology, Austria (A. Artusi, M. Wimmer); implementation and comparison of tone mapping algorithms
- RESEARCH ACTIVITIES *Reviewer for journals and conferences:* ACM TOG, ACM SIGGRAPH, IEEE TVCG, EUROGRAPHICS, IEEE PAMI, IEEE TIP, ACM TAP, IEEE CVPR, IEEE ICCV, ECCV, Wiley CGF

Computer Graphics Forum 2019 – 2023 *associate editor (AE)*; HiVisComp 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2023, 2024, 2025, 2026 Czech Republic, Slovakia *founder, program and organization committee member*; Pacific Graphics 2019 *program committee member*; VS-Games 2019 *program committee member*; EXPRESSIVE 2018, EXPRESSIVE 2019 *program committee member*; BMVC 2015 *program committee member*; EUROGRAPHICS 2014, EUROGRAPHICS 2015 *short-paper program committee member*; HDR imaging 2013, HDRi 2014 *program committee member*; EGSR 2010, Saarbrücken, Germany, *poster session chair*; EUROGRAPHICS 2007, Prague, Czech Republic, *organizing committee member*; EUROGRAPHICS Minisymposium 2007, Prague, Czech Republic, *organizer, chairman*

#### AWARDS AND HONORS

2024: Outstanding Conference Paper Award, Award of Rector of BUT, Czech Republic  
2019: Commemorative Bronze Medal of FIT BUT, Award of Dean of FIT BUT, CZ  
2011: Best Paper Award, International Symposium on Non-Photorealistic Animation and Rendering (NPAR), Vancouver, Canada  
2008: Trans it! - the best applicable inventions at CTU, Prague, Czech Republic  
2008: Outstanding dissertation, CTU in Prague, Czech Republic

Recipient of the following *research grants*: 2019: DEEP LOCATE - Deep-Learning Approach to Topographical Image Analysis, MŠMT CZ, 2019-2022; 2018: BOREC - Colour Image in Realtime Embedded Computing (TH03010330, Technology Agency of the Czech Republic); 2016: Visual Geo-localization and Pose Estimation in Mountainous Terrains (project OPEN-7-49, National Supercomputing Center IT4Innovations, Czech Republic); 2014: Incoming Grant on Visual Localization in Natural Environments (SoMoPro II co-financed by Marie Curie Actions, REA 291782); 2012: COST STSM (ECOST-STSM-IC1005-100312-015783), Image distortion maps for evaluation of quality metrics, Bangor, UK; 2006–2010: Grant No. LC06008, Center for Computer Graphics; 2007–2008: Aktion Kontakt OE/CZ grant No. 48p11, Realistic Real-Time Rendering of Trees and Vegetation; 2005–2006: Erasmus scholarship of the European Union, HTW Dresden, Germany; 2007: Grant No. CTU0715413, Organization of the EG 2007; 2004: Grant No. CTU0408813, Automatic Comparison of Images

#### PUBLICATIONS

Over 50 reviewed papers (journals, conference proceedings) in the field of Image Processing, Computer Graphics and Computer Vision

Complete listing of publications at: <http://cadik.posvete.cz/>

H-index: 17 (WoS), 19 (Scopus), 23 (Google Scholar)

<https://orcid.org/0000-0001-7058-9912>

#### PATENTS

Lukáč, M., Chen, Z., Brejcha, J., Čadík, M.: Generating immersive trip photograph visualizations, U.S. Patents No. 10,825,246 and 11,113,882. Registration: 2018, approval: 2020.

Lukáč, M., Wang, O., Brejcha, J., Hold-Geoffroy, Y., Čadík, M.: Large-scale outdoor augmented reality scenes using camera pose based on learned descriptors, U.S. Patent No. 2022/0114365 A1. Registration: 2020, approval: 2023.