

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

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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:* NeurIPS, 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.