

Masaryk University	
Faculty	Faculty of Informatics
Procedure field	Informatics
Applicant	doc. RNDr. Barbora Kozlíková, Ph.D.
Applicant's home unit, institution	Faculty of Informatics, Masaryk University
Board members	
Chair	prof. RNDr. Michal Kozubek, Ph.D. <i>Faculty of Informatics, Masaryk University</i>
Members	prof. Ing. Jiří Žára, CSc. <i>FEL ČVUT v Praze</i> prof. Ing. Daniel Sýkora, Ph.D. <i>FEL ČVUT v Praze</i> prof. Ing. Adam Herout, Ph.D. <i>FIT VUT v Brně</i> prof. Silvia Miksch <i>TU Wien</i>

Evaluation of the applicant's scholarly/artistic qualifications

The candidate graduated from the Faculty of Informatics, Masaryk University in 2004 (Bachelor's Degree) and 2006 (Master's Degree) and continued her doctoral studies at the same institution (with one semester spent at the University of Potsdam, Germany), obtaining the Ph.D. degree in 2011. After a short-term (6 months) industry experience as a programmer-analyst, the candidate returned to the Faculty of Informatics and, from 2012 to 2017, served as an Assistant Professor (with a half-year at Vienna University of Technology). In 2017, she defended her habilitation thesis, and since September 2017, she has been an Associate Professor at the faculty.

According to the submitted materials (last updated on September 12, 2025), the candidate has authored or co-authored 41 original research journal articles listed in the WoS database (+3 more in Scopus), and 30 articles in conference proceedings. She has published almost exclusively in top-tier journals, namely 18x Q1 (out of which 1x D1) and 21x Q2, according to AIS Quartile. She is the senior or first author of a significant number of journal papers (16+2 records) and conference papers (15+4 records). Six of her conference papers received the Best Paper award (four of them at the prestigious IEEE VIS conference with CORE rank A). The number of citations without self-citations (as of September 12, 2025) was 1671 in WoS and 1997 in Scopus. The candidate has successfully applied for 6 scholarly projects (3x as principal investigator, 3x as co-principal investigator). She has been involved in organizing 19 international conferences and workshops (6 as general chair).

In comparison to the minimal criteria set by the Faculty of Informatics of Masaryk University (40 journal or conference papers in international databases, 15 high-quality papers, and 100 citations without self-citations), it can be concluded that the candidate surely exceeds the required values by a wide margin.

Conclusion: The applicant's scholarly/artistic capabilities **meet** the requirements expected of applicants participating in a professor appointment procedure in the field of Informatics.

Evaluation of the applicant's pedagogical experience

The candidate has taught at the Faculty of Informatics at Masaryk University since 2012, focusing on computer graphics and visualization. She has been involved as one of the teachers in 13 courses: 6 lectures (3 of them for at least 6 semesters), 3 class exercises (2 of them for at least 12 semesters), and 4 seminars (for 5-6 semesters). She has taught for at least 5 years / 10 semesters (the value stated in the minimal faculty requirements).

The candidate has not only taught but also prepared courses; she was the principal architect and key contributor to the introduction and development of 2 courses (PV251 and PV112). She has co-authored 2 textbooks and 1 textbook chapter. She has already supervised 56 Bachelor's theses (54 defended), 65 Master's theses (61 defended), and 12 PhD theses (3 defended). These numbers meet the minimal faculty criteria (2 supervised defended PhD theses).

The candidate has also worked as an examiner for state examination boards (Bachelor and Master levels since 2018) and on the doctoral board at the Faculty of Informatics of Masaryk University (since 2024).

Conclusion: The applicant's pedagogical capabilities **meet** the requirements expected of applicants participating in a professor appointment procedure in the field of Informatics.

Evaluation of the applicant as a respected and recognized scholarly or artistic figure in a given field

The candidate's activities in the field of visualization and visual analysis are well visible at both the national and international levels. As mentioned above, she has published a large number of papers in top-tier journals and at established conferences in the field (receiving six Best Paper awards, including four at CORE Rank A conferences), has co-organized a large number of international conferences (six times as general chair), and has led multiple research projects. A significant part of these activities and results has been realized in collaboration with other groups (mostly from abroad, the candidate states 11 collaborations in total).

Selected highlights: In 2018, the candidate hosted, as a general chair, the largest European visualization conference EG EuroVis in Brno. Subsequently, in 2019, she organized the EG VCBM (Visual Computing for Biology and Medicine) workshop in Brno. In November 2025, she acted as the general co-chair of the IEEE VIS 2025 conference in Vienna, the largest visualization event worldwide. She also served in the EuroVis steering committee. She serves as the editor of two international journals (Computers & Graphics, Frontiers in Bioinformatics). She was a member of the Czech Science Foundation (GAČR) Informatics (P202) panel.

Five experts in the field submitted their written opinions on the candidate's merits. In their reports, they confirm that the candidate is a respected and recognized scholarly figure in the field and strongly support her promotion. Here are excerpts from their letters:

Prof. Anders Ynnerman (Linköping University, Sweden):

"Dr. Kozlíková has significantly impacted the direction of international research within the field as an individual researcher, as a leader of projects, and as valuable participants in the community. Her years of service to the field have contributed both at the level of scientific discovery and to the working practices we use as a community to ensure that our science becomes available and applicable to and by all. In this, and in many other ways, Dr. Kozlíková serves as a role model to younger researchers and is an outstanding example of the next generation of research leaders in our field."

Prof. Eduard Gröller (Vienna University of Technology, Austria):

"Dr. Barbora Kozlíková has already assembled an impressive record of achievements in research, teaching, academic leadership, and service. Her interdisciplinary and innovative research program addresses highly relevant scientific and societal challenges. She is a creative, competent, and internationally visible scientist, with a proven track record of excellence in all aspects of academic life."

Prof. Helwig Hauser (University of Bergen, Norway):

"I wish to highlight that Barbora Kozlíková is an indispensable member of our scientific community, having tirelessly contributed an enormous amount of work to help with the growth and prospering of our research field. Extrapolating from the important work that Barbora Kozlíková has done in the past years, I fully expect that she will further excel in shaping relevant parts of our research field in the years to come."

Prof. Timo Ropinski (Ulm University, Germany):

"Dr. Barbora Kozlíková has established a record of sustained, high-impact research, visible international leadership, dedicated teaching and mentorship, and exemplary service. Her portfolio already reflects the stature we expect of a Full Professor, and her trajectory suggests even greater contributions ahead."

Prof. Jiří Damborský (Masaryk University, Czechia):

"Dr. Kozlíková is a leading figure in the field of visualisation and visual analytics, with impactful interdisciplinary contributions spanning bioinformatics, medicine, and other areas. She has made a major impact in the development of visualization tools for biomolecular analysis."

Conclusion: The applicant **is** a respected and recognized scholarly figure in his/her field. The applicant **has** made a significant contribution to the development of his/her field. The applicant **constitutes** a leading figure in his/her field of scholarship or research.

Secret vote results

Voting took place: electronically

Number of board members	5
Number of votes cast	5
of which	5
in favour	5
against	0

Board decision

Based on the outcome of the secret vote and following an evaluation of the applicant's scholarly or artistic qualifications, pedagogical experience and role as a respected and recognized scholarly or artistic figure, the board hereby submits a proposal to the Scientific Board of the Faculty of Informatics of Masaryk University to **appoint the applicant professor** of Informatics.

In Brno on 25.03.2026

prof. RNDr. Michal Kozubek, Ph.D.