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Habilitation Board Decision on the Nomination for Appointment to Associate Professor

Masaryk University
Faculty
Procedure field
Applicant
Applicant's home unit, institution
Habilitation thesis
Board members
Chair

Members

Faculty of Science Cartography, Geoinformatics and Remote Sensing Mgr. Bc. Zdeněk Stachoň, Ph.D. Faculty of Science, Masaryk University Experimental Research in Cartographic Visualization

prof. Ing. Jiří Cajthaml, Ph.D. *Czech Technical University in Prague* prof. RNDr. Tomáš Řezník, Ph.D. *Faculty of Science, Masaryk University* prof. RNDr. Vít Voženílek, CSc. *Palacký University Olomouc* prof. Ing. Václav Talhofer, CSc. *University of Defence, Brno* Prof. Georg Gartner, PhD. *Technical University of Vienna, Austria*

Evaluation of the applicant's scholarly/artistic qualifications

Mgr. Zdeněk Stachoň, Ph.D. was born in 1980 and graduated in Geography and Cartography, Masaryk University, Brno, Czech Republic in 2003. He received his Ph.D. degree in Cartography, Geoinformatics and Remote Sensing from the same institution in 2009. After his PhD, he continues his scientific work as an assistant professor at the Department of Geography, Faculty of Science, Masaryk University. He has also been a research specialist at Masaryk University's Faculty of Arts' Department of Information and Library Studies since 2016. Between 2012 and 2018, he spent five months at three international universities: Department of Geography, Universität Zürich; Arbeitsgruppe Kartographie und Geoinformation, Universität Wien; Institut für Geoinformation und Kartographie, TU Wien. His research is focused on cartographic visualization with an emphasis on cognitive issues. He is also interested in historical cartography.

The habilitation application is based on 50 articles (with significant contributions in WOS Q1 and Q2), 10 book chapters, 52 proceedings papers, as well as a functional prototype of glasses for AR, 3 certified methodologies, and 2 software. He has also curated four exhibitions centered on old Moravian maps. The work is highly cited, currently represented by 463 citations (without self-citations) and H-index 16, which is respectable in the field of cartography. The most important information seen from the bibliography record is the dynamic increase in citations of his work during the time. Zdeněk Stachoň was also co-PI of two projects from the Technology Agency of the Czech Republic and leader of work packages in other three projects. He is a reviewer for more than 10 international journals.

Conclusion: The applicant's scholarly/artistic capabilities **meet** the requirements expected of applicants participating in a habilitation appointment procedure in the field of Cartography, Geoinformatics and Remote Sensing.

Evaluation of the applicant's pedagogical experience

Zdeněk Stachoň started his teaching activities as a PhD student, participating in many courses (i.e., Cartography and Geoinformatics, Geoinformation technologies, Modelling in cartography, Cartographic visualization). His more extensive involvement in pedagogical activities relates to his appointment as an assistant professor at the Department of Geography. Currently, he is involved in many classes at the bachelor and master levels in the fields of thematic cartography, history of cartography and geovisualization. He has supervised 35 bachelor, 33 master and 3 doctoral students. It is worth mentioning that he is the co-author of two textbooks and many textbook chapters or popular science texts. Zdeněk Stachoň's performance in the courses is generally well evaluated among students. The comments from students are rather positive, highlighting his abilities to explain the grounds of the taught topic.

Conclusion: The applicant's pedagogical capabilities **meet** the requirements expected of applicants participating in a habilitation appointment procedure in the field of Cartography, Geoinformatics and Remote Sensing.

Habilitation thesis evaluation

"Experimental research in cartographic visualization" is a collection of 12 scientific papers (published from 2011 to 2022) with an introduction commentary addressing several questions in cartographic communication, visualization methods, and experimental research in cartography.

The thesis has been reviewed by three external reviewers: Prof. Ing. Liqiu Meng, Dr. (TU München, Germany), doc. RNDr. Dagmar Kusendová, CSc. (Comenius University, Bratislava, Slovakia), and doc. PhDr. RNDr. Jan Daniel Bláha, Ph.D. (UJEP University, Ústí nad Labem, Czech Republic). In their reports, all three reviewers appreciated the significant scientific contribution of Zdeněk Stachoň. They highlighted mainly the impact of his work on interdisciplinary cartography with links to the human aspects of the social sciences and experimental studies to test cognitive hypotheses. The answers to the reviewers' questions were answered during the public lecture; all reviewers expressed satisfaction with the presented responses (Prof. Meng during the discussion after the lecture, other reviewers later after seeing the video record). Additional

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questions were also answered directly during the public lecture. All three reviewers supported awarding Zdeněk Stachoň the academic title of Associate Professor in Cartography, Geoinformatics and Remote Sensing.

The proposal for appointment as an associate professor takes into account, in particular, his outstanding scientific and pedagogical achievements in qualitative and quantitative parameters.

Conclusion: The applicant's habilitation thesis **meets** the requirements expected of habilitation theses in the field of Cartography, Geoinformatics and Remote Sensing.

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Secret vote results		
Voting took place: electronically		
Number of board members		5
Number of votes cast		5
of which	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 habilitation thesis, the board hereby submits a proposal to the Scientific Board of the Faculty of Science of Masaryk University to **appoint the applicant associate professor** of Cartography, Geoinformatics and Remote Sensing.

In Brno on 25.02.2023

prof. Ing. Jiří Cajthaml, Ph.D.

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Conclusion: The applicant's achiever analyzer and the requirements as associated at abaltation particleating in a mail taken a any distribution procedure in the field of Cartography Geometenatics and Remote Sensing.

Evolution of the applicant's period of the experience

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Conclusion: The applicant's prouppidel cappolities meet by requirements expected of applicants participating in a babilitation appointment procedure in the field of Cartegraphy "Gebintometrics and Ramoha Berseng.

institution should evaluation

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