

PUBLIC LECTURE EVALUATION

Masaryk University

Faculty	Faculty of Science
Procedure field	Cartography, Geoinformatics and Remote Sensing
Applicant	Assoc. Prof. Petr Kubíček
Lecture date	March 31, 2021
Lecture topic	Cartography in 3D – shift in paradigm
Persons present (number)	53 (see attached list of attendees)
Designated evaluators (board members)	Prof. RNDr. Petr Dobrovolný (online) Prof. Ing. Lena Halounová (online) Prof. RNDr. Vít Voženílek (online)

Petr Kubíček started his public lecture with a motivation part. The candidate emphasized that the extension of cartographic visualization and mapping to a third dimension brings many challenges.

The lecture was well structured with theoretical and practical parts. The presentation initially focused on the theoretical fundamentals of three-dimensional visualization and perception. The applicant provided an overview of the main cartographic and technological challenges related to using the third dimension.

Petr Kubíček paid particular attention to the concept of virtual geographic environments (VGE). The applicant selected suitable examples of several empirical studies that focused on graphical variables in 3D visualization. Subsequently, the applicant discussed important theoretical and practical issues of using VGE for indoor navigation and navigation. Finally, Petr Kubíček presented his comprehensive view of the main directions of research in the field of contemporary digital cartography.

The public lecture was organized in online form. The link to the presentation was published well in advance on the website of the Department of Geography. The audience was attended by students, staff of the department, and participants outside the academic sphere. After the presentation, a discussion followed, which mainly concerned the following issues: virtual reality and tangible landscape, 3D cartography and disabled people – problems of barriers and accessibility, real-time navigation and evacuation plans, supply and demand of 3D technologies in contemporary geography, theoretical aspects of 3D visualization developed at the Department of Geography.

Conclusion

The lecture delivered by Petr Kubíček, entitled "Cartography in 3D – shift in paradigm" and delivered as part of the professor appointment procedure, **demonstrated** sufficient scholarly qualifications and pedagogical capabilities expected of applicants participating in a professor appointment procedure in the field of Cartography, Geoinformatics and Remote Sensing.

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The lecture took place online at 09:00 CEST. The above-mentioned members of the board attended the lecture and provided its evaluation. All designated evaluators are familiar with the text of the evaluation and agree with it.

Date: 31.3.2021

Petr Dobrovolný

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