

Curriculum vitae

Ing. Milan Talich, Ph.D.

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Research interests:

Geodesy and cartography, geomatics, geotechnology

Education:

M.Sc. degree - Geodesy and cartography, Faculty of Civil Engineering, CTU, 1984.

Ph.D. degree - Geodesy and cartography, Faculty of Civil Engineering, CTU, 2002.

Affiliation:

1984-present: Research Institute of Geodesy, Topography and Cartography (VÚGTK), senior researcher. From 2003 to 2011, head of the ODIS VÚGTK research department, from 2009 to 2010, deputy director of the VÚGTK.

5/2012-dosud: The Czech Academy of Sciences, Institute of Information Theory and Automation, research fellow.

8/2011–2/2014: Jan Evangelista Purkyně University in Ústí nad Labem (UJEP), Faculty of Environment, Department of Geoinformatics, research fellow.

1987-1995: [International Center on Recent Crustal Movements](#) (ICRCM) – processing of geodetic networks and solving problems of geodynamics.

10/1992-9/1993: Institut für Angewandte Geodäsie (IfAG - now BKG), Frankfurt am Main, SRN, researcher – work on the European EUREF project, processing of the EUREF CS/H GPS network. It was the basis of the current modern positional geodetic foundations in these countries.

Research:

Creation of geotechnologies using knowledge and information systems. Using radar interferometry - GB-SAR and GB-RAR technology for determining of deformation of structures. Special focus on the vertical deflection of bridge structures, on the horizontal movements of high-rise buildings and on deformation determination of dams or open pit mines. Deformation analysis with strain analysis tools. Old maps, atlases and globes. Their digitization, georeferencing, accessibility and online use.

Organizing & Others:

Organizer of several international scientific conferences and workshops (GEOS 2006, GEOS 2007, GEOS 2008, NGDM 2016, NGDM 2021).

Secretary of the VÚGTK Scientific Council 1996-2006, vice-chairman of the VÚGTK Council 2007-2011, member of the Scientific Council of the Faculty of Environment, UJEP in Ústí nad Labem.

Supervisor of the doctoral study program Geomatics, field of study Geomatics, Faculty of Applied Sciences of the University of West Bohemia in Pilsen.

Member of the State Examination Board for the final examinations of the doctoral studies in the field of geodesy and cartography of the Faculty of Civil Engineering of the Czech Technical University in Prague.

Responsible head of 10 projects (Horizon 2020, EU structural funds, MŠMT, MK ČR, MPO, MV ČR, ČÚZK).

Member of several international professional societies, e.g. „[International Cartographic Association](#)” - member “[Commission on Cartographic Heritage into the Digital](#)”; CLGE - „[The Council of European Geodetic Surveyors](#)” – national delegate for the Czech Republic.

Reviewer of grant agencies GAČR, GAUK, MK CR, various specialist journals - e.g. Remote Sensing, Acta Geodynamica et Geomaterialia, Acta Montanistica Slovaca, Kartografické listy, Geodetický a kartografický obzor and others.