

Curriculum Vitae

Personal

Name: Petr Klápště

Date of birth: February 11th, 1989 (Czech Republic)

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ORCID: orcid.org/0000-0002-8633-1788

RG: researchgate.net/profile/Petr-Klapste

LinkedIn: linkedin.com/in/petrklapste

Affiliations

2015 - present

Department of Spatial Sciences

Faculty of Environmental Sciences

Czech University of Life Sciences Prague

Member of *Spatial Science in Ecology and Environment* Leading Research Group

Education

2015 – present

Department of Spatial Sciences

Faculty of Environmental Sciences

Czech University of Life Sciences Prague

PhD studies in Applied and Landscape Ecology

Thesis topic: Assessment of ground filtering algorithms of point clouds in complex artificial terrains

2017 – 2020

Institute of Education and Communication

Czech University of Life Sciences Prague

Certificate of completion in Study for Teaching Vocational Subjects

Thesis topic: Usage of m-learning in education

2012 – 2015

Faculty of Environmental Sciences

Czech University of Life Sciences Prague

Master's degree in Landscape and Land Management

Thesis topic: Landscape development in the borderland of the Czech Republic along the border with the former GDR and Poland

2009 – 2012

Faculty of Science, Humanities and Education

Technical University of Liberec

Bachelor's degree in Applied Geography

Thesis topic: Old plans of Liberec from 19th century to mid of 20th century

Participation in Research Projects

2021 – 2026

Center for Landscape and Biodiversity

Technology Agency of the Czech Republic

Co-investigator

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2020 – 2023

Possibilities for updating map layers of NATURA 2000 biotopes using advanced remote sensing methods

Technology Agency of the Czech Republic

Co-investigator

2018 – 2022

Responsible water management in built-up areas in relation to the surrounding landscape

Ministry of Education, Youth and Sports of the Czech Republic

Co-investigator

2019 – 2021

Safety mapping of the vegetation along the transport infrastructure

Technology Agency of the Czech Republic

Co-investigator

2019 – 2021

Vegetation health monitoring under ongoing climate change using remote sensing

Ministry of Finance of the Czech Republic

Co-investigator

2019 – 2020

V4 communication platform for use of Earth Observation methods in biotic forest disturbances

Visegrad Fund

Co-investigator

2018 – 2019

Detection of infection forest bark beetle (*Ips typographus*) in advance using unmanned air vehicles

Technology Agency of the Czech Republic

Co-investigator

2017 – 2018

The impact of the resolution of remote sensing data for the assessment of ecological measures

Grant Agency of the Czech University of Life Sciences Prague

Co-investigator

2016 – 2018

New approaches to the use of geodata in habitat-species models

Internal Grant Agency of the Faculty of Environmental Sciences

Leader

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2015 – 2016

The reduction of habitat fragmentation consequences in various types of landscape in the Czech Republic

Ministry of Finance of the Czech Republic

Co-investigator

Internships

11/2019 – 11/2019

Department of Surveying and Cartography Engineering

School of Land Surveying, Geodesy and Mapping Engineering

Technical University of Madrid, Spain

Internship

4/2019 – 5/2019

Department of Forest Management, Geomatics and Forest Economics

Faculty of Forestry

University of Agriculture in Krakow, Poland

Internship

International Conferences

6/2018

Ground classification of UAV image-based point clouds through different algorithms: open source vs commercial software

Petr Klápště, Rudolf Urban & Vítězslav Moudrý

In: UAS4Enviro 2018 – 6th International Conference on "Small Unmanned Aerial Systems for Environmental Research".

Split, Croatia.

Teaching Experience

2015 – present

Department of Spatial Sciences

Lecturer of GIS; Computer Technology Utilization; Unmanned Aerial Systems in Environmental Sciences;

Remote Sensing with Unmanned Aerial Systems; Lidar Data Processing