

CURRICULUM VITAE

Jakub Karas (35) Co-founder and co-owner Upvision company.

UAS Industry representative (UAS working group) in International Society for Photogrammetry and remote sensing, member Czech Geoinformatic Association and The Czech Society for Photogrammetry and Remote sensing.

Vicepresident in Czech Unmanned Aerial Alliance and member of International UAS Coordination Council in UVS International.

Permission to fly with 7 UAV types, popularizer unmanned aerial technologies in Czech Republic, author many articles about UAS and using for unique solution in international technical magazines and author and co-author several books about UAS in Czech language.

More than 16 years experiences in photogrammetry and remote sensing. Also many experiences in GIS, new technologies (laser scanning, mobile mapping) and in unmanned aerial vehicles.

Worked in Photogrammetric companies as Eurosense, Gefos and Geodis Group, where was UAS manager and responsible person for getting UAS on the Czech market and find possibilities their using there in 2012 year.

Winner Category Best Commercial Video from Drones in contest Age of Drones 2016. Also honored in 2014 from the Czech Ministry of Transport award for 3rd place in the international competition in the European Satellite Navigation Competition (projects to use GPS) for the project Precise mapping and monitoring of linear structures from UAV, as well as the 2016 received 3rd place again in the same competition for the project mobile applications for identification drones MAIA.

Possibilities of using unmanned aerial systems in remote sensing

Abstract

Unmanned aerial systems brings a new dimension to the possibility of using remote sensing and complement other remote sensing methods. Availability and speed deployment of these technologies enables new kinds of outputs and mapping in high detail.