

Special Issue

UAV-Based Photogrammetry: Current Systems and Methods

Message from the Guest Editors

Unmanned aerial vehicles (UAVs) are employed in many scientific disciplines. One major field where UAVs are utilized is in photogrammetry and remote sensing. That is, optical (passive) or active sensors are used to capture data (e.g., images) from objects with the aim of deriving geometric and/or semantic information from them. Applications range from topographic mapping in different scales to object inspection, aiming at high geometric quality. Currently, new opportunities arise, but also new challenges. The reasons for this are the advent of high-resolution optical sensors, which are close to metric cameras. Furthermore, lightweight laser scanning technology, combined with sophisticated sensor positioning hardware is maturing. All these developments are affecting processing workflows and methods. In this Special Issue, we call for papers which document the development or testing of those photogrammetric systems. Well-described and evaluated applications are also invited.

Guest Editors

Prof. Dr. Markus Gerke
Prof. Dr.-Ing. Heinz-Jürgen Przybilla
Prof. Dr. Henry Meißner

Deadline for manuscript submissions

closed (30 June 2019)



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

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