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UAV-Based Photogrammetry: Current Systems and Methods

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Message from the Guest Editors

Dear Colleagues,

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.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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