Special Issue

Applications of UVs in Digital Photogrammetry and Image Processing

Message from the Guest Editors

Uncrewed aerial, ground or waterborne vehicles equipped with a high-resolution optical camera or other sensor are increasingly used to collect high-resolution data for a specific area or object. UV-based photogrammetry has revolutionized the field of short-range applications by combining aerial and ground photogrammetric techniques, and it serves as a valuable supplement to traditional aerial photogrammetry methods, effectively addressing the limitations of conventional surveying and mapping practices. Based on images obtained from proximity UV enables the generation of dense point clouds, high-resolution digital terrain or surface models, and true-orthophotos. Moreover, it offers a range of advantages such as high precision, low operating costs, wide applicability, and short production cycles. With advancements in drone and digital camera technologies, the digital photography approach, based on UV platforms, showcases its distinctive strengths. For this Special Issue of *Drones*, we welcome authors to submit papers related to UV photogrammetry. The selection of papers for publication will depend on the quality and rigor of research.

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About the Journal

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.
There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

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