Special Issue

Unconventional Drone-Based Surveying

Message from the Guest Editors

Structure-from-Motion photogrammetry (SfM) allows the detection of physical surfaces of interest in an extremely fast and simple way. There is a wide range of applications based on the use of drones for photogrammetric purposes, leading to the creation of dense and accurate point clouds representing the objects of interest. Possible topics (but not limited):

- providing new methods for data analysis, highlighting their strengths and weaknesses;
- studying possible unexpected systematic errors from data analysis due to digital camera specifications and/or the image distribution on the covered areas;
- conceiving methods for error mitigations and their applications;
- analyzing the impact of scale factor corrections on results in terms of surface variation reliability;
- verifying the role of real ground sampling distance (GSD) in digital models resolution;
- other original miscellaneous approaches. Generally, only papers concerning a successful application of a methodology in its final version are published.

Guest Editors

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Dr. Giordano Teza
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Deadline for manuscript submissions

closed (31 October 2022)

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Message from the Editor-in-Chief

Drones is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

Editor-in-Chief

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