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Application of UAS in Construction

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Deadline for manuscript submissions:
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Message from the Guest Editors

Unmanned aircraft systems (UASs), commonly called "drones", have been widely used in the construction jobsite. The UAS can help managers to make decisions more efficiently by flying over the site and collecting and transferring visual data. Since UASs can carry various sensors (e.g., camera, GPS, Lidar), they can provide various types of visual data through pre-/post-data processing (e.g., image processing or computer vision techniques). Since UASs produce visual data, they can be integrated with other technologies (e.g., robots, augmented/virtual realities) or building information modeling (BIM) for enhancing the level of autonomy, productivity, efficiency, and safety in the construction environment.

In this context, this Special Issue invites research papers demonstrating innovative developments in applying UASs to construction management tasks. Papers are welcome in the field of computer vision and image processing with UASs, navigation systems, integrating with the BIM, simulations, and decision making and process mapping with the UAS in any type of construction domains (e.g., road, bridge, buildings).

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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.

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