Special Issue

Space Drones for Planetary Exploration

Message from the Guest Editors

In the last decade, there has been a tendency to design and develop concepts of drones and robotic systems for planetary exploration. There have been various ways to study space objects, such as telescopes and satellites, launching robots and rovers, and sending astronauts to the targeted solar bodies. However, due to the advantages of drones compared to other approaches in planetary exploration, ample research has been carried out by different space agencies in the world, including NASA, to apply drones in other solar bodies. This Special Issue invites submissions that discuss the novel applications of drones for space and planetary exploration, including but not limited to:

- Novel concepts of drones for planetary exploration;
- Design challenges of drones on Mars, Venus, and Titan;
- Conceptual design and sizing of space drones;
- Planet entry and deployment of drones;
- Material selection and fabrication of space drones;
- Propulsion systems and power supply for space drones;
- Guidance, Navigation, and Control (GNC) systems for space drones;
- Flight simulation, tests, and challenges of space drones.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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