Aerial Robotics for Inspection and Maintenance

Guest Editors:

Dr. Alejandro Suarez
GRVC Robotics Labs, University of Seville, Caminos de los Descubrimientos s/n, 41092 Seville, Spain

Dr. Jonathan Cacace
University of Naples Federico II, 80138 Napoli NA, Italy

Dr. Matko Orsag
LARICS Lab Robot & Intelligent Control System, University of Zagreb, 10000 Zagreb, Croatia

Deadline for manuscript submissions:
closed (10 December 2021)

Message from the Guest Editors

This Special Issue is devoted to aerial robotics for inspection and maintenance, a current trend that relies on recent research results to solve typical problems faced by human operators in their work in different industrial scenarios like power lines, chemical plants, or civil infrastructures. Authors are invited to submit original works describing:

- Intended applications;
- Technological challenges;
- Theoretical fundamentals;
- Methods and techniques;
- Developed prototypes;
- Experimental results.

The papers may describe the application of aerial robots to particular inspection and maintenance tasks, the development of new prototypes and concept designs, or the experimental evaluation of the system performance in terms of usual metrics. The implementation and validation of perception, control, and planning methods is of special interest to demonstrate the functionalities and capabilities of aerial robots, contributing to increasing the level of automation in the realization of these tasks.

This Special Issue aims to reduce the gap between research results.

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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