



***machines***



*Special Issue Reprint*

## **Advances and Applications in Unmanned Aerial Vehicles**

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Edited by

Octavio Garcia-Salazar

Anand Sanchez-Orta

Aldo Jonathan Muñoz-Vazquez

ISBN 978-3-7258-3126-5 (Hardback)

ISBN 978-3-7258-3125-8 (PDF)



In the last decade, unmanned aerial vehicles (UAVs), commonly known as drones, have been used for different purposes, including applications such as search and rescue, highway patrol, and infrastructure inspections for power lines, bridges, and factories. These applications require UAVs that can operate under specific conditions or complex environments. As a result, new configurations are being developed, including improved sensors, longer flight times, and enhanced autonomy.

This Special Issue provides the recent advances and applications in unmanned aerial vehicles, considering both theories and experiments for multirotor, fixed-wing, and non-conventional (convertible) vehicles. After a stringent peer review process, twelve papers were finally included in this Special Issue, which covers the following aspects: modeling, guidance, navigation, control, simulation, and applications.



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