

## Special Issue

# Drone-Centric Optical Wireless Networks: Innovations in 6G, AI, and Hybrid Communication Systems

### Message from the Guest Editors

The prime objective of this special issue is to bring cutting-edge technologies into the domain of OWC/VLC, defining the framework of 6G communications and their implementation in drone ecosystems. Topics covered will include but not limited to:

- Airborne and Road Free Space Optics (FSO) systems
- Drone-Based Optical Access Points
- Latency-Sensitive Applications with Drone OWC
- AI-Driven Optimization for Drone OWC
- Optical wireless for intelligent transportation system
- Hybrid optical wireless and RF systems
- Lasers and photonic components
- Big Data Analytics for Futuristic Optical Networks
- End-to-end network design for perspective 6G networks
- Underwater optical networks
- Localization and position estimation using optical and hybrid systems
- Security and privacy in 6G optical networks

### Guest Editors

Dr. Muhammad Saadi

Dr. Demostenes Zegarra Rodriguez

Prof. Dr. Shahid Mumtaz

Dr. Sushank Chaudhary

### Deadline for manuscript submissions

8 January 2026



## Drones

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*Drones*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[drones@mdpi.com](mailto:drones@mdpi.com)

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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.

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### Editor-in-Chief

Prof. Dr. Diego González-Aguilera

Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

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