

Guest Editor:

Dr. Giacomo Colombatti

University of Padova
giacomo.colombatti@unipd.it

Dr. Carlo Bettanini

University of Padova
carlo.bettanini@unipd.it



Indexed in
Scopus*

Address:

21 Serangoon North Avenue
5, #03-03 Ban Teck Han
Building, Singapore

Email:

emily.lee@front-sci.net

Link:

<http://jai.front-sci.com/si.php/index/detail?id=34&jid=23>



UAVs: Recent Trends and Future Visions

 **Submission Deadline: 2023-08-31**

Dear colleagues,

In recent years, aerial systems, both huge and small UAVs, have observed incredible improvements in terms of their configuration, applications methodology, flying capabilities and navigation control. UAVs uses are extremely variable and applications range from services such as photography, remote sensing, path planning, search and rescue, natural hazards, agriculture, inspection of power lines and civil constructions, engineering constructions and mining, etc.

UAVs have raised to be a very widespread instrument for a wide range of applications and replaced other platforms thanks to their flexibility and moderate costs and easy to access. Furthermore, different types of vehicles have been proposed: hybrid aerial robots, air-ground drones, long flight drones VTOL drones, etc. All these type of drones have increased their performance in terms of roll and turn angle, path length, flexibility in maneuvering, high scalability, portability and mobility, and control systems and future applications will therefore benefit from all of the previous gains.

This Special Issue, entitled “UAVs: Recent Trends and Future Visions” will present the latest trends in autonomous aerial technology, in aerial robotics, and artificial intelligence for aerial systems and discuss the current advances and challenges in autonomous aerial mobile systems. With this context in mind, we are seeking innovative research on aerial systems, autonomous applications, decision making, task planning, and control.