



IMAV 2011

International Micro Air Vehicle Conference and Flight Competition

12 - 15 September

■ IMAV 2011 | summer edition

The International Micro Air Vehicle (IMAV) conference and flight competitions aims to provide an effective and established forum for dissemination and demonstration of original and recent advances in MAV technology.

The IMAV 2011 conference and flight competitions will be held in 't Harde, the Netherlands.

For more information visit the website: <http://www.imav2011.org>

■ Conference

Submitted articles will be subjected to a single-blind review process of the entire article. Suggested topics include, but are not limited to, the following areas as they relate to MAVs:

- aerodynamics of MAVs,
- sense and avoid
- enhanced MAV autonomy
- flapping wing MAVs
- small-sized MAVs
- MAV swarms
- applications of MAVs
- new MAV concepts
- artificial intelligence in MAVs
- computer vision for MAVs
- control system theory and MAVs
- indoor MAV navigation
- outdoor MAV navigation without GPS
- MAV design methodology
- game playing with MAVs

The authors of the best articles submitted to the IMAV 2011 will have the opportunity to participate in an expedited review process for a special issue on the IMAV in the International Journal on Micro Air Vehicles:

<http://www.multi-science.co.uk/ijmav.htm>

Important dates for article submission

Submission deadline full paper: May 20, 2011

Author notification: July 14, 2011

Camera ready version: August 20, 2011

■ Competitions

The IMAV 2011 has two indoor competitions and one outdoor competition. All competitions have a scoring mechanism that especially rewards the use of multiple and autonomous MAVs. Please note that only autonomous flight and video-based flight are allowed in the competitions: manual flight via RC is only allowed as a tech demo of a novel MAV platform / concept. The rules and scoring mechanisms are announced on the IMAV website: <http://www.imav2011.org>

Borrowing a drone

Parrot has made it possible for the IMAV organization to lend drones to teams that wish to focus on the artificial intelligence / software part of the competitions. See <http://www.imav2011.org/competitions/borrow-a-parrot-drone> for the procedure for applying for a drone.

Important dates for the competitions

Teams should be registered at least one month before the conference starts. There are no hard deadlines for team registration, nor for the application for a Parrot AR Drone. However, it is important to note that COMPETITION PLACES AND PARROT AR DRONES ARE LIMITED. The online team registration will be stopped when the maximum number of participants is reached. The same goes for the Parrot AR Drones.

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