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## CALL FOR PAPERS

The 10th International Micro Air Vehicle (IMAV2018) Conference and Competition will take place in Melbourne, Australia. The IMAV is a yearly event that combines a scientific conference with a technological competition involving Micro Air Vehicles (MAVs). This is the first time the conference has been held in the Southern Hemisphere and shall be a fantastic opportunity for international research groups to share their knowledge with a global audience. Through the conference we aim to create a forum for academics and practicing engineers to present their latest research findings in the state-of-art MAV design and application.

We encourage authors to present research related to Micro Air Vehicles, research topics may range from fundamental knowledge in disciplinary topics to cross-disciplinary technological innovation and the use of MAVs to other research fields.

### Topics include but are not limited to:

- Low Reynolds number aerodynamics
- Navigation in turbulent environments
- Unsteady aerodynamics
- Propulsion set and new energy sources
- Autonomous navigation
- Swarming and formation flight
- Control theory and state estimation
- Flapping wings and bi-inspired MAVs
- Computer vision for MAVs
- Obstacle detection and avoidance
- Integration of MAVs in airspace
- Novel applications for MAVs
- Active perching
- New MAV architectures
- Relayed Control and Communications
- Advanced manufacturing techniques

Authors will have 20 minutes to present their work or may be invited to present a poster. Exemplary papers may be selected for publishing in the International Journal of MAVS or Unmanned systems Journal. For your final paper to be selected for publishing you must register at [www.imav2018.org](http://www.imav2018.org) before the conference start date. Abstracts should be 1 single-sided page submitted as a word or pdf. file. Abstract submission opens on the 17th of April and abstracts may be sent to: [imav2018.abstracts@gmail.com](mailto:imav2018.abstracts@gmail.com).

## TIMELINE

- 17th April :Abstract submission opens [imav2018.abstracts@gmail.com](mailto:imav2018.abstracts@gmail.com).
- 15th May: Abstract Submission closes (Notification within two weeks of closing).
- 5th June: Draft paper submission opens.
- 15th August: Draft paper submission closes.
- 15th September: Article feedback
- Mid-October: Final paper revision due
- 17th-23rd November: Conference and competition held in Melbourne, Australia.