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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 paper to be selected you must register at www.imav2018.org. 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.

TIMELINE

- 17th April :Abstract submission opens 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