

UAV-g 2015 Issues Call for Papers



The organising committee of UAV-g 2015 have issued their first call for papers and tutorials. UAV-g 2015 will be held from 30 August to 2 September in Toronto, Canada. The aim of the event, themed 'sUAS: a disruptive technology for geomatics', is to bring together experts in photogrammetry and remote sensing, surveying, robotic mapping, computer vision, artificial intelligence, aerospace engineering, geosciences and various user communities.

Researchers, developers, service and systems providers as well as users are invited to contribute with presentations, posters, exhibitions, live demonstrations and discussions to create synergies between research and applications using UAV in geomatics.

Prospective authors are encouraged to submit their paper contributions on the following topics:

- Platforms, payloads and instruments for photogrammetry and remote sensing
- Navigation and position/orientation determination
- Dense image matching and surface reconstruction
- 3D reconstruction from oblique images
- 3D reconstruction from range sensors
- Simultaneous localisation and mapping
- Monitoring, tracking and change detection
- Low altitude thematic remote sensing and environmental mapping
- Obstacle sense and avoidance
- On-line and real-time processing
- Sensor and data fusion
- Cooperative UAV/UAV and UAV/UGV systems
- Technology challenges and applications
- Regulations

Acceptance of conference papers

The conference papers will be accepted based on either extended abstract or full paper submissions.

Extended abstract submission: authors may submit an extended abstract of about 1000 words. All abstracts will be reviewed by the Program Committee. The authors of accepted abstracts are invited to submit a full paper in accordance with the ISPRS guidelines. These papers will be recommended for oral or poster presentation based on the suitability of the contribution. Final papers will be published in *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*.

Full paper submission: Authors may submit a full paper of maximum 8 pages. The paper will undergo through a double blind peer review process. Accepted papers will be recommended for oral presentation and will be published in the *ISPRS Annals of Photogrammetry, Remote Sensing and Spatial Information Sciences*. Non-accepted papers will be considered based on the abstract review process.

ISPRS guidelines for manuscript submissions can be found [here](#).

Important Dates

Full papers (for ISPRS annals): 15 March 2015
Abstracts (for ISPRS archives): 31 March 2015
Notification of acceptance: 30 April 2015
Final full papers due: 15 June 2015

Post-conference publication opportunity

A special theme issue on sUAS in geomatics is planned for the *Journal of Unmanned Vehicle Systems*, the official journal of Unmanned Systems Canada. Authors of the conference papers are invited to consider submitting an extended and revised version of their papers for this special publication. For more details, please contact David Bird, editor, *Journal of Unmanned Vehicle Systems*.

