

## UAV-g 2015

### International Conference on Unmanned Aerial Vehicles in Geomatics

*sUAS: a disruptive technology for geomatics*

**August 30 –September 2, 2015**

**York University, Toronto, Canada**

[www.uav-g-2015.ca](http://www.uav-g-2015.ca)

## Call for Papers

The aim of **UAV-g 2015: 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 users' 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 localization 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  
<http://www.isprs.org/documents/orangebook/app5.aspx>

### 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, at [david.bird@mcgill.ca](mailto:david.bird@mcgill.ca)  
<http://www.nrcresearchpress.com/journal/juvs>



## Conference Registration

All prices quoted are in Canadian dollars and are subject to 13% HST (tax).

### Before 31 June 2015

Participants:	\$500
Full time students and seniors (65-years and over):	\$300
CIG Members:	\$400

### After 31 June 2015

Participants:	\$650
Full time students and seniors (65-years and over):	\$300
CIG Members:	\$550

## Call for Tutorials / Workshops

As a complementary forum to the main conference, pre-conference tutorials / workshops are to be held on Sunday 30 August 2015. Tutorials / Workshops should reflect the conference theme and topics. The presentation and discussion of work in progress either on in-depth or on novel and emerging research areas are welcome.

Tutorials / Workshops should be either half-day or full-day. Tutorial / Workshop proposals must be submitted before **15 March 2015**. The local organizers will make a selection of the most promising proposals. Notification of the decision will be made available by **31 March 2015**. Accepted workshops which receive too few registrations by **31 June 2015** may be cancelled by the local organizers.

### Submission Details

Tutorial / Workshop proposals must be written in English and submitted via email to [uavg2015@yorku.ca](mailto:uavg2015@yorku.ca) by the deadline for submission. Workshop proposals should be less than 1500 words and must include:

1. Title of the tutorial / workshop
2. Scope and novelty of the tutorial / workshop
3. Workshop organizer(s) and their qualifications
4. Format of workshop (1/2 day, 1 day)
5. Details of any previous related workshops (if relevant)
6. Workshop outline (overall learning objectives and individual workshop elements)
7. Target audience (introductory or advanced; any background knowledge or skills required)
8. Required materials (e.g., need for internet access, lab access, specific software)
9. Expected number of participants
10. Financial expectations (e.g., can the presenters cover their expenses, do they have any financial interest). The conference will cover the printing of materials, coffee breaks, A/V requirements and rooms.

### Important Dates

- Workshop proposals due: 15 March 2015
- Workshop notification: 31 March 2015
- Workshop announcement: 15 April 2015
- Workshop cancellation date: 1 August 2015
- Workshop date: 30 August 2015