Sensing, control, automation and mechanization have been an important means for increasing agricultural productivity, improving worker health and safety, optimizing resource utilization, and reducing labor requirements. AGRICONTROL 2016: ‘The 5th IFAC Conference on Sensing, Control and Automation for Agriculture’ aims to bring together scientists, engineers, students and others working in these areas from around the world to share their latest results. The conference will provide an opportunity for learning the state-of-the-art and for discussion on past achievements, and future directions in precision and automated agriculture. The conference is also expected to provide a venue for leveraging the advances in other lateral technologies for enhancing the productivity in agriculture.

**Deadlines**

[Full Paper Submission](https://ifac.papercept.net/conferences/scripts/start.pl) (4 to 6 pages): **Mar 16, 2016**


Revised Paper Submission: June 1, 2016


Late Registration: July 2 to Aug 16, 2016

Conference: Aug 14-17, 2016

Full paper will be between four 4 and 6 pages and will follow IFAC formatting requirements ([Click here for the format](http://www.ifac-control.org/events/author-guide/Author%20Guide2014.pdf)). Papers will be submitted through IFAC paper submission webpage ([Online submission at](https://ifac.papercept.net/conferences/scripts/start.pl)).

**Topics of Interest**

1) Crop Phenomics
2) Soil, Plant and Environment Sensing
3) Pest and Disease Detection and Management
4) Crop Yield Estimation/Monitoring/Mapping
5) Sensing and Automation with UAVs
6) Internet of Things
7) Wireless Sensor Network
8) Big Data and Cloud Computing
9) Decision Support Systems
10) Sensing and Automation for Precision Irrigation
11) Precision Agriculture and Variable Rate Technologies
12) Machine Vision and Robotics for Crop Harvesting
13) Machine Vision and Robotics for Weed Control
14) Automation and Robotics in Agriculture
15) Sensing, Automation and Robotics in Plant Factory, Protected Cultivation and Greenhouses
16) Sensing and Automation in Animal Farming
17) Sensing, Automation and Robotics for Post-Harvest/Processing
18) Nanotechnology for Precision and Automated Agriculture
19) Crop Systems/Canopy Architectures, Breeding and Genetics for Precision and Automated Agriculture

**Contact:** Manoj Karkee; Washington State University; manoj.karkee@wsu.edu

**Conference Website:** [http://ifac.cahnrs.wsu.edu/](http://ifac.cahnrs.wsu.edu/)
AGRICONTROL 2016: The 5th IFAC Conference on Sensing, Control and Automation for Agriculture
14-17 August, 2016; Double Tree by Hilton Hotel, Seattle Airport, Washington, USA

Guidelines for Authors
The paper submission for AGRICONTROL2016 is now open and the deadline for full paper submission for review is March 16, 2016. Papers must be written in English and submitted to the conference using IFAC Conference Manuscript Management System website (http://ifac.papercept.net/). Paper format should adhere to the IFAC style files for conference paper (http://www.ifac-control.org/events/author-guide/Author%20Guide2014.pdf). Papers must be between 4 to 6 pages at initial submission. Go to http://ifac.papercept.net/ and click “Support” for example/template files in different formats. Please do not change the formatting.

Online Submission at https://ifac.papercept.net/conferences/scripts/start.pl; (Due March 16, 2016)

Copyright Conditions
All publication material submitted for presentation at an IFAC-sponsored meeting (Congress, Symposium, Conference, Workshop) must be original and hence cannot be already published, nor can it be under review elsewhere. The authors take responsibility for the material that has been submitted. IFAC-sponsored conferences will abide by the highest standard of ethical behavior in the review process as explained on the Elsevier webpage (http://www.elsevier.com/journal-authors/author-rights-and-responsibilities), and the authors will abide by the IFAC publication ethics guidelines (http://www.ifac-control.org/events/organizers-guide/PublicationEthicsGuidelines.pdf/view).

Accepted papers that have been presented at an IFAC meeting will be published in the proceedings of the event using the open-access IFAC-PapersOnLine series hosted on ScienceDirect (http://www.sciencedirect.com). To this end, the author(s) must confer the copyright to IFAC when they submit the final version of the paper through the paper submission process. The author(s) retain the right to use a copy of the paper for personal use, internal institutional use at the author(s)’ institution, or scholarly posting at an open web site operated by the author or their institution, limited to noncommercial use. Any other use of the paper requires approval by IFAC.