



AGRICONTROL 2016: The 5th IFAC Conference on Sensing, Control and Automation for Agriculture

14-17 August, 2016; Double Tree by Hilton Hotel Seattle Airport; Seattle, Washington, USA

2nd CALL FOR PAPERS
(Papers will be Peer-Reviewed)

<http://ifac.cahnrs.wsu.edu/>



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 (4 to 6 pages): **Mar 16, 2016**
<https://ifac.papercept.net/conferences/scripts/start.pl>

Paper Review and Acceptance Decision: April 30, 2016
Revised Paper Submission: June 1, 2016

Early Registration: Now until July 1, 2016 at
<https://www.eiseverywhere.com/ereg/index.php?eventid=151850&>
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); <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](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

IFAC Main Sponsor:

Technical Committee 8.1: Control in Agriculture (Arto Visala, Chair)

IFAC Co-sponsors:

Technical Committee 4.2: Mechatronic Systems (Reza Moheimani, Chair)

Technical Committee 7.5: Intelligent Autonomous Vehicles (Giovanni Indiveri, Chair)

Technical Committee 8.4: Biosystems and Bioprocesses (Ravi Gudi, Chair)

National Organizing Committee

Manoj Karkee, USA (Chair)
Scott Korthuis, USA (V-Chair)
Lav Khot, USA
Wonsuk "Daniel" Lee, USA
Jim McFerson, USA
Troy Peters, USA
Sindhuja Sankaran, USA
Stavros Vougioukas, USA
Qin Zhang, USA

Contact Us

Manoj Karkee
Washington State University
24106 N Bunn Rd, Prosser WA,
USA

manoj.karkee@wsu.edu
509-786-9208



WSU Center for Precision & Automated Agricultural Systems (CPAAS)

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.

International Program Committee

Qin Zhang, USA (Co-Chair)
Arto Visala, Finland (Co-Chair)
Noboru Noguchi, Japan (V-Chair)
Lie Tang, USA (Editor)
Viacheslav Adamchuk, Canada
Sam Suzana Abd Aziz, Malaysia
Gokhan Bayar, Turkey
Marcel Bergerman, USA
Tom Burks, USA
Amir Degani, Israel
Mongkol Ekpanyapong, Thailand
Ravi Gudi, India
Yong He, China
Gerrit Hoogenboom, USA
Giovanni Indiveri, Italy
Jay Katupitiya, Australia
Raj Khosla, USA
Hak-Jin Kim, South Korea
Yan-Fu Kuo, Taiwan
Minzan Li, China
Xiwen Luo, China
Jiri Masek, Czech Republic
Cheryl McCarthy, Australia
Gary McMurray, USA
Reza Moheimani, USA
Novizar Nazir, Indonesia
Timo Oksanen, Finland
Tristan Perez, Australia
Gerrit Polder, The Netherlands
Ramesh Raliya, USA
Francisco Rovira-Mas, Spain
Steve Saunders, New Zealand
Stanley Best Sepulveda, Chile
Salah Sukkarieh, Australia
Bárbara Teruel, Brazil
Pratap Tokekar, USA
Ljubisa B. Vlacic, Australia
Ning Wang, USA
Ce Yang, USA
Steve Young, USA
Manuela Zude, Germany

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

Conference Website: <http://ifac.cahnrs.wsu.edu/>