ISPA Newsletter 8(8) August 2020: Virtual ICPA Webinars, PA Definitions, PA Study, Upcoming Events, Jobs Listing

Aug 12, 2020

International Society of Precision Agriculture

MONTHLY NEWSLETTER



NEXT Virtual ICPA WEBINAR AUGUST 13

We are excited to announce the first in a series of Virtual ICPA Webinars. On 13 AUG 2020, Dr. James Schepers and Dr. Joe Luck, the ISPA Pierre C. Robert Scientist Award winners will be presenting their research. The webinar will take place from 1:30-3:00 PM CDT (UTC -5). Access to the Virtual ICPA Webinar Series will be open to all ISPA members in good standing.

Starting next Thursday through October 15, our weekly webinar series will feature a number of different presentations. The pending schedule can be found below! All webinars will take place from 1:30-3:00 PM CDT (UTC -5).

Upcoming Schedule for the Virtual ICPA Fall Webinar Series
August 13, 2020 - Pierre C. Robert Scientist Award Winners
- Dr. Jim Schepers, Senior Scientist Award, speaking on “Filling the Gaps with Producers in Mind.”
- Dr. Joe Luck, Young Scientist Award, speaking on “Moving Forward with Precision Ag Data Use.”

August 20, 2020 - TBD
August 27, 2020 - TBD
September 3, 2020 - Intensifying Farm Management
September 10, 2020 - Big Data
September 17, 2020 - Economics Community
September 24, 2020 - TBD
October 1, 2020 - TBD
October 8, 2020 - Nitrogen Community
October 15, 2020 - On-Farm Experimentation Community

Be on the look out for additional details being released soon!

PA Definition Translated

To help communication with farmers and agri-business the PA definition has been translated into several major languages including: Arabic, Catalan, Spanish (i.e. Castellano), Basque, French, Galacian, Italian, Japanese and Brazilian Portuguese. The translations are available on the ISPA website: https://ispag.org/about/definition. The ISPA Board would like to offer the PA definition in

additional languages. To ensure that the definition is broadly understandable, we would like at least three PA researchers for whom the language is a primary language to endorse the translation. The translations will be posted on the ISPA website acknowledging those who worked on the translation. If you are interested in helping to develop PA definition translations in additional languages, please contact James (Jess) Lowenberg-DeBoer, president@ispag.org.

PA on Mechanized Farms of All Sizes

PA on field crop farms of all sizes in the USA

Around the world, data on precision agriculture (PA) use by farm size is rare, but a new study shows that PA is being used on all types and sizes of field crop farms in the US and that variable rate technology adoption is strongest where soil variability is highest regardless of farm size. The study uses data from the USDA Agricultural Resource Management Survey (ARMS) including the previously unpublished 2016 corn and 2017 winter wheat surveys. It was co-authored by researchers from the United States Department of Agriculture and Harper Adams University. Specifically:

- The data showed that for winter wheat in 2017 GPS guidance was used on 61% of all acres, with 80% of acres on farms of over 3000 acres of wheat using guidance and 18% of acres planted by the smallest farm category.
- For corn the 2016 data showed that overal 59% of acres were farmed using GPS guidance, with 78% of acres on farms of over 3000 corn acres, and 9% of acres in the smallest farm category.
- For the largest soybean farm category, 45% farms in an area with a high soil variability index used VRT, but in areas of lower soil variability just 18% of farms used VRT.

The full report can be found on the Global Institute for Agri-Tech Economics (GIATE) website at: https://cdn.harper-adams.ac.uk/document/project/200727-Farm-Types-and-Precision-Agriculture-Adoption-Cro130043.pdf

4th ECPA Newsletter

Dear Colleagues,

The present COVID-19 pandemic situation is a challenging time for everyone, however we hope all of you are still safe and healthy. We - the organizers - are still optimistic that 13th ECPA in 2021 will provide us the possibility to meet in person and have a fruitful conference concerning Precision Agriculture.

ABSTRACTS

A gentle reminder about the submission of abstracts: submission is open and we invite you to submit your abstracts through the conference website. The timetable remains as follows; submit by 30th of September, assessed and decision communicated to submitting author by 26th October. Full papers (8 pages) are then required by 30th November and Poster summaries by 3rd May 2021.

In order to guarantee the academic quality of the proceedings, a scientific committee is being formed for the peer reviewing of oral communications. This committee is chaired by Dr. John V. Stafford (co-editor of the scientific journal Precision Agriculture) as the Editor of the 13th ECPA proceedings.

ABSTRACT SUBMISSION GUIDELINES:

- The Abstract has to briefly describe the work to be discussed in the paper and also give a concise summary of the findings. Please note that abstracts should have between 2 000 and 2 500 characters (including spaces) and include relevant scientific information (materials and methods, results and discussion, and conclusions).
- Abstracts must be submitted using the online submission link.
- All abstracts must be submitted in English (authors whose native language is not English are strongly advised to have their abstracts checked by a native speaker).
- The names and affiliations of ALL authors should be included in the abstract, i.e. department, institution, city, country

Please visit the following webpage for guidelines and abstract submission: https://ecpa2021.agroinform.hu/abstract-submission/

Please note the conference would encourage papers or abstracts on all aspects of precision agriculture related to any cropping system, from soil and crop sensing, to data management, information systems and spatial decision support systems. Abstracts related to educational activities and outcomes in precision agriculture are also strongly encouraged.

We are looking forward to seeing you in Budapest, Hungary.

TECHNICAL TOUR

Technical tour is planned in order to show PA technologies in the practice. Technical tour will take place at “KEVE” Zrt. Further information is on the conference website: https://ecpa2021.agroinform.hu/technical-tour/

Upcoming Events

25-27 FEB 2025
GIS & Drone Applications in Agriculture Conference

29 JUN - 3 JUL 2025
15th European Conference on Precision Agriculture
Barcelona, Spain
ecpa2025.upc.edu/

22-31 AUG 2025
XXXII ISSCT Centennial Congress
Cali, Colombia
issctcennial.com/

14-16 OCT 2025
11th Asian-Australasian Conference on Precision Agriculture
Chiayi, Taiwan
ispag.org/Events/ACPA

2-4 FEB 2026
International Crop Modeling Symposium (iCROPM2026)
Florence, Italy

Week of 13 JUL 2026
17th International Conference on Precision Agriculture and the 11th Brazilian Congress on Precision Agriculture
Porto Alegre, Brazil
ispag.org/icpa

See the ISPA website for a complete list of events.
Do you have an event that would be of interest to our members? Send us an email to let us know.

Jobs Listing

- Postdoc in Digital Agronomy for Climate Resilient Perennial Agriculture
- Tenure Track Assistant Professor in soil spectroscopy at Department of Agroecology, Aarhus University
- Assistant or Associate Professor of Extension Soil Management - University of Kentucky - Department of Plant and Soil Sciences
- Precision Agriculture Technologies Extension Specialist - University of Tennessee - Biosystems Engineering and Soil Science
- Assistant Professor (Extension) - Mississippi State University - The Department of Agricultural & Biological Engineering
- University of Georgia - Assistant Professor - Extension Specialist Precision Agriculture Systems

Do you have a job you would like to post to the ISPA website? Please send your job announcement, a short description, and cutoff deadline for applications to info@ispag.org

Contribute to the ISPA Newsletter

Do you have a precision ag event, project, or news article that our members would be interested in? Please let us know. We post events, job opportunities, and news from members from around the globe. Email info@ispag.org or use the handy online form to submit your contribution.

Precision Agriculture Definition

Precision Agriculture is a management strategy that gathers, processes and analyzes temporal, spatial and individual plant and animal data and combines it with other information to support management decisions according to estimated variability for improved resource use efficiency, productivity, quality, profitability and sustainability of agricultural production.

The International Society of Precision Agriculture (ISPA) is a non-profit professional scientific organization.
The mission of ISPA is to advance the science of precision agriculture globally.

Contact newsletter@ispag.org to suggest content for future newsletters or visit www.ispag.org for more about the Society