ISPA Newsletter 12(1): International Symposium on Robotics and Automation, 16th ICPA, PA Definition Change, Upcoming Events, Jobs, and more

Jan 29, 2024



International Symposium on Robotics & Automation

Agricultural production is challenged by world food demand, the need to reduce agriculture's environmental footprint, the shortage of labor, and unprecedented variations in weather patterns. These stressors are accelerating the pace of innovation in automation and robotic systems which have benefited from the advancements made in machine vision, sensors and actuators, artificial intelligence (AI), and human-robot interactions. This symposium will provide a space where academia, industry, funding agencies, and other stakeholders can exchange knowledge on emerging trends and identify challenges along with opportunities in the fields of automation and robotics in agriculture. The symposium will be held on **Monday, 22 July 2024 in Manhattan, KS, USA, in conjunction with the 16th International Conference on Precision Agriculture.**

For more information, please visit:
ispag.org/Events/R_A_Symposium



16th ICPA Sponsorship

Thank you to the University of Nebraska-Lincoln for sponsoring the 16th International Conference on Precision Agriculture

The University of Nebraska is the named sponsor of the Outstanding Graduate Student Awards and will be at booths #19 and #48. Be sure to stop by during the conference!



The University of Nebraska–Lincoln was chartered as a land-grant university on February 15, 1869, to create opportunity for the state of Nebraska. A proud member of the Big Ten Conference, the Big Ten Academic Alliance, and the Association of Public and Land-grant Universities (APLU), Nebraska is classified within the Carnegie "R1: Doctoral Universities – Highest Research Activity" category. The university is accredited by the Higher Learning Commission.

Learn more about Sponsorship Opportunities and the 16th ICPA Sponsors.

Precision Agriculture Definition Change

In 2023 the ISPA board determined that it was time to expand upon the Precision Agriculture definition and ensure that the definition can be applied to all areas of agriculture. The original ISPA precision agriculture definition is widely used by researchers, farmers and agribusiness. That definition is usually interpreted to focus exclusively on managing temporal and spatial variability excluding most of precision livestock farming (PLF) which deals primarily with animal-to-animal variability. The only PLF aspect which has been included in the ICPA, ECPA and in PRAG is precision grazing, which has a strong spatial component. As technology develops and crop PA moves toward individual plant management, PLF and crop PA technologies are converging. It would be beneficial for both

communities to be in communication. The proposed change added “plant and animal” to the text: “Precision Agriculture is a management strategy that gathers, processes and analyzes temporal, spatial and individual plant and animal data…”

This proposed definition change was first distributed to Country Representatives for feedback, followed by two announcements in the ISPA monthly newsletter. ISPA members were encouraged to submit their feedback and the board received emails from members voicing their support of the definition change. In January 2024 the ISPA board voted to approve the Precision Agriculture definition change.

“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.”

Revised January 2024

ISPA Country Representative - Stanislaw Samborski



Country Representatives serve to help promote ISPA by championing the ISPA mission and purpose globally, in particular, in the country they represent. ISPA is growing internationally so Country Representatives remain an important position to help ISPA best serve people, groups, governments and others, globally connecting them to science and experts.

Please join us in thanking ISPA Country Representative from Poland, Stanislaw Samborski.

If you are interested in becoming a Country Representative, please email info@ispag.org with your bio highlighting your experience in precision agriculture and your CV. ISPA requires that all Country Representatives are current members of the society. To become a member, please complete the membership form.

VIEW COUNTRY REPRESENTATIVES

16th International Conference on Precision Agriculture



Travel	Sponsorships	Registration
Whether you are arriving at Manhattan Regional Airport or Kansas City International Airport, make your way to Manhattan, Kansas USA this July for the 16th ICPA. Learn more about Hotel and Travel Information here.	**The 16th ICPA is a great opportunity for you and your company to gain exposure and grow your influence in the global precision agriculture market.** Please visit our website to learn more about our sponsorship packages.	**Register today for the 16th ICPA! The conference offers Full Conference, Student Registration, and One-Day Registration rates.** See the full list of registration rate options and conference add-ons including workshops and post-conference tour here.

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.

Stay Up To Date with ISPA on Social Media!

Be sure to follow ISPA on Twitter and LinkedIn to remain up to date with what the society has to offer. If you're posting about precision agriculture and would like to reach our international community, please add #ispag to your post.

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.


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