# ISPA Newsletter 12(5): 16th ICPA and Symposium Updates, Call for Applications GENESII, Events, Jobs, and More

May 31, 2024




## 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.



## Upcoming Deadlines




Preorder your ISPA polo as an add on item with your 16th ICPA registration. Polos will be avaiable for pick up at the 16th ICPA registration desk during the conference.
To add a polo to your existing registration, please email info@ispag.org.




Register for the 16th International Conference on Precision Agriculture by 3 July 2024 to receive the early bird discount. After 3 July registration prices will increase by $100 at all levels.




Please complete your wire transfer payments for the 16th ICPA by 3 July 2024. Registrants who have not completed their transfer by the deadline will be removed from the list of registrants.
If you have any questions, please email info@ispag.org.

## 16th ICPA Travel Arrangements




### Attention 16th ICPA Registrants

As you prepare to travel to Manhattan, Kansas USA this July, please be aware that the Kansas City International Airport (MCI) is a two hour drive from Manhattan, Kansas. Rental cars and shuttle services are available at the Kansas City International Airport. **PLEASE RESERVE YOUR TRANSPORTATION IN ADVANCE OF YOUR ARRIVAL**.

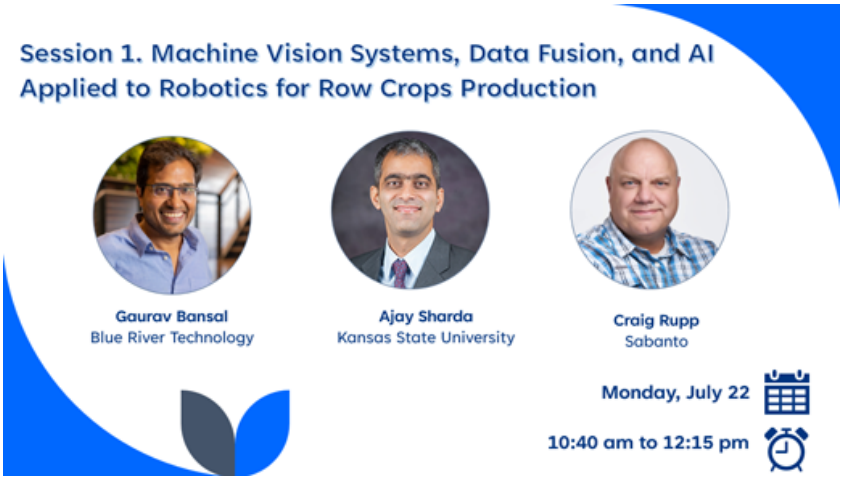
Manhattan, Kansas has a regional airport, Manhattan Regional Airport (MHK). The Manhattan Conference Center is a fifteen minute drive from the MHK airport.

**For travel information including links to shuttle services, please visit:**
**16th ICPA Hotel and Travel**

## International Symposium on Robotics and Automation: A Concurrent Event with the 16th ICPA

Robotics and Automation are changing the way we produce crops, increasing efficiency and contributing to strengthening environmental sustainability. Thanks to funding from the USDA National Institute for Food and Agriculture (NIFA), ISPA is organizing the International Symposium on Robotics and Automation which will run concurrently with the 16th ICPA on Monday, July 22. The symposium will include national and international speakers from academia, industry, and stakeholder groups involved in the research and development of robotic and automation solutions for agriculture and include discussions on the social impact of those solutions. The topics covered and the expertise of the symposium's speakers will be grouped into three oral sessions and one panel discussion.

Session 1 will be focused on how developments and solutions combining Machine Vision Systems, Data Fusion, and Artificial Intelligence are currently applied to Robotics and automation targeting Row Crop Production.

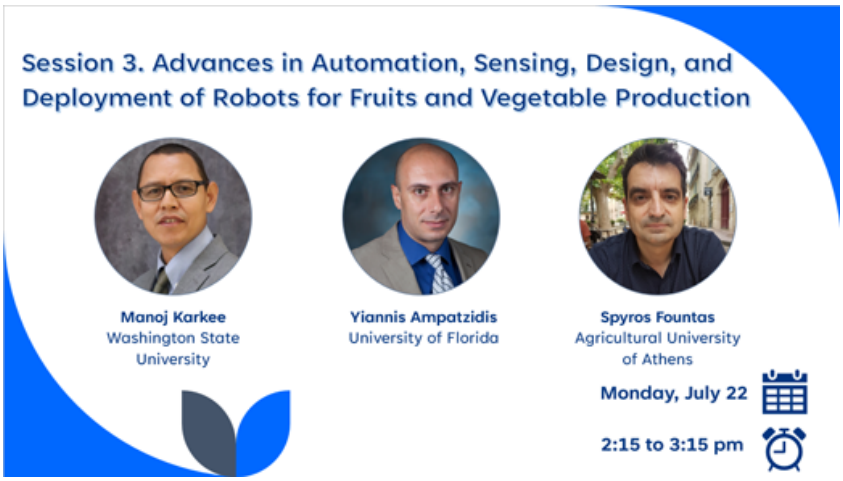


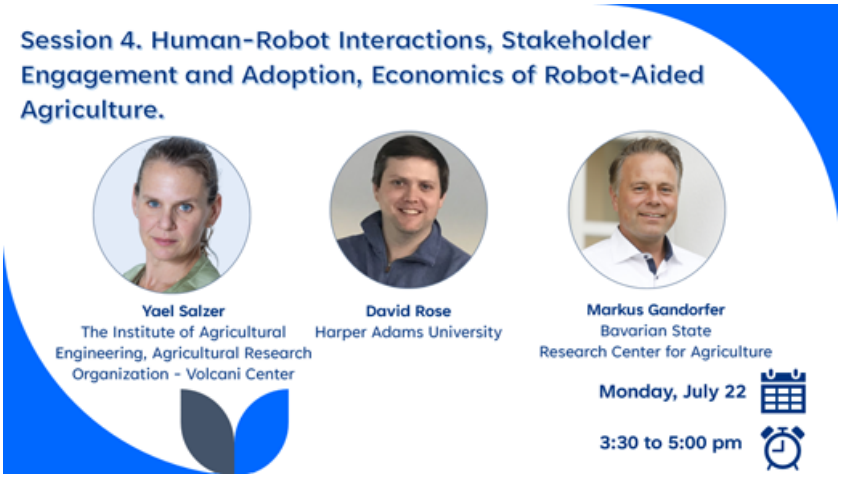




A panel discussion will address how the academia, industry, and government collaboration can help evaluate all the possibilities automation will bring to crop production. The panelists will be Scott Shearer from The Ohio State University, Mariah Scott from Rantizo, and Edward Barnes from Cotton Incorporated. Alex Thomasson from Mississippi State University will be the panel moderator.

Session 3 will highlight the advances in automation, sensing, design, and deployment of robots that are changing fruit and vegetable production. The speakers will bring different perspectives as they work on testing and developing solutions for different stakeholders groups, not only in the USA, but also Europe.



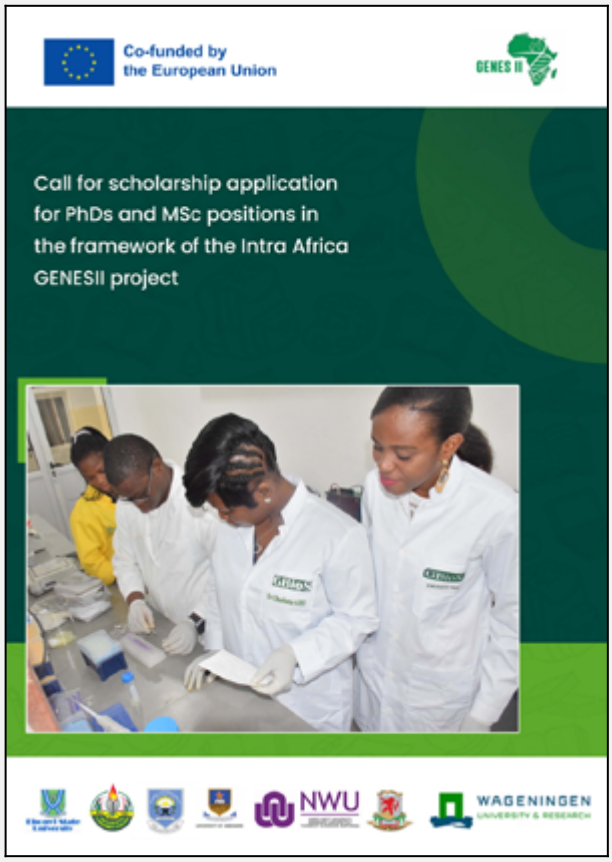



The economics and social aspects of robotics and automation in crop production will be discussed by three speakers coming from Europe. They will cover aspects of adoption and the economics of these applications, the human-system/robot gaps in emerging technologies, and the importance of including stakeholders in the development and evaluation of robotics.

The symposium will conclude with a poster session and evening receiption.
We hope to see you at the International Symposium on Robotics and Automation!

| PROGRAM | SPEAKERS | REGISTER |
|---|---|---|

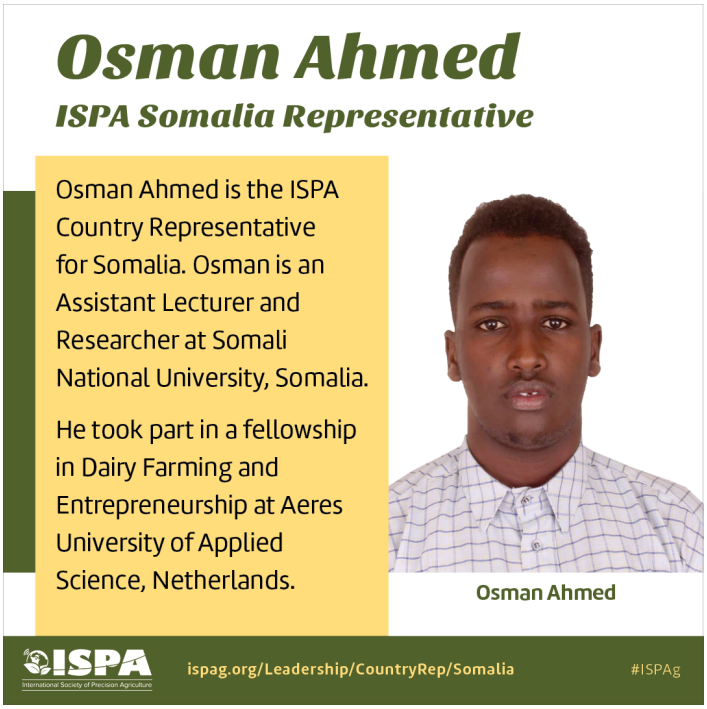
## Call for Scholarship Application for PhDs and MSc Positions in the Framework of the Intra Africa GENESII Project




Mobility for Plant Genomics Scholars to Accelerate Climate-Smart Adaptation Options and Food Security in Africa II

The objectives of GENESII project are to:
• Train 64 African scientists comprising 12 PhDs, 32 masters, 10 trainees and 10 staff in genomics, digital and advanced technologies such as measuring photosynthesis, to accelerate crop improvement for climate change adaptation and mitigation;
• Enhance the entrepreneurial skills of beneficiaries in agribusiness and enterprise management to enhance graduate employability;
• Harmonize academic programmes and research agenda to enhance research collaboration among African Higher Education Institutions (HEIs).
The deadline to submit an abstract is **3 July 2024**. Learn more about the GENESII Project here.

## ISPA Country Representative - Osman Ahmed




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 Somalia, Osman Ahmed

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**

## Four Precision Nutrient Management Oral Sessions Scheduled in the 16th ICPA Program

Advances in research and technology applied to nutrient management will be presented during the upcoming 16th ICPA. Four oral sessions, as well as a poster session, will focus on developments of the use of technology and artificial intelligence applied to the precise spatial and temporal management of nutrients used on crops such as corn, cotton, potato, rice, sugarcane, wheat, and almond trees. On July 22, the ICPA program will include three oral sessions. The last group of oral presentations are scheduled for July 24.

Below are a few of the research studies that will be presented:

• The use of satellite and drone images, multispectral and hyper-spectral sensors, combined with crop growth models for in-season nitrogen management

• The use of artificial intelligence techniques combined with ground data supporting nitrogen management is a novel approach highlighted in several oral and poster presentations

• The use of satellite-based recommendations to support fertigation and the impact of irrigation water management on nitrogen use efficiency are topics highlighted in the nitrogen management sessions

Precision soil sampling, studies highlighting the impact of soil sampling techniques used for nutrient management and the use of soil and plant sensors to support soil sampling will also be included in the program.




## 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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