



# INTERNATIONAL SYMPOSIUM ON ROBOTICS & AUTOMATION

ORGANIZED BY THE INTERNATIONAL SOCIETY OF PRECISION AGRICULTURE [ispag.org/Events/R\\_A\\_Symposium](https://ispag.org/Events/R_A_Symposium)

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 16<sup>th</sup> International Conference on Precision Agriculture.

## Hear from renowned National and International experts on recent advances in:

- Machine vision systems, sensors, and artificial intelligence algorithms to support automation and robotics development
- Data fusion and processing algorithms to support real-time automation and robotics applications
- Design and deployment of swarm robots
- Economics and logistics of adopting robotics systems in row crop production
- Opportunities and mechanisms for collaboration among academia, government, and industry to advance development and applications of robots in production agriculture

## REGISTRATION OPTIONS:

| Symposium Registration | Symposium Registration with Two Year ISPA Membership | Student Registration | 16 <sup>th</sup> ICPA full conference registration add-on |
|------------------------|--|----------------------|---|
| \$435                  | \$595  | \$200                | + \$665   |

Funding Agency



United States Department of Agriculture  
National Institute of Food and Agriculture

To learn more about the 16<sup>th</sup> International Conference on Precision Agriculture, please visit: [www.ispag.org/icpa](https://www.ispag.org/icpa)



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