

2024 MU DIGITAL AGRICULTURE SYMPOSIUM

June 20- 21, 2024 at Monsanto Auditorium, and MU South Farm
University of Missouri, Columbia, MO



Organized by Digital Agriculture Research and Extension Center (DAREC), Division of Plant Science and Technology, College of Agriculture, Food and Natural Resources of the University of Missouri at Columbia, MO

Join the Future of Farming: Smart and Sustainable Agriculture

WHY ATTEND

- **Insights from Experts:** Farming Systems, Digital Agriculture, Climate Prediction and Monitoring, and Sustainable Agriculture
- **Hands-On Demos:** Experience self-driving tractors, drones, and more
- **Innovative Research:** Delve into soil health, sustainability, and digital farming solutions
- **Collaboration:** Network with academia, industries, and other stakeholders
- **Student Engagement:** Participate in the poster competition and reception

KEY DELIVERABLES

- Keynote speeches and panel sessions with industry leaders
- Interactive farm tour showcasing the latest AgriTech
- Collaborative sessions for innovation in sustainable farming practices
- Opportunities for networking and future research partnerships

GOAL:

The symposium aims to build a community in digital agriculture and shape a common vision about the farm of future. Our goal is to converge the research and technology to make farming smarter and more sustainable, responding to climate challenges. We're focused on creating a forum where scientists, engineers, professionals and stakeholders from different fields can share digital agriculture practices, benefitting education and farming in Missouri and beyond.



FOR MORE INFORMATION AND REGISTRATION:

Website:

<https://darec.missouri.edu/symposium>

Email: zhoujianf@missouri.edu

2024 MU DIGITAL AGRICULTURE SYMPOSIUM PROGRAM

Day 1: Research Day - June 20, 2024

Location: Monsanto Auditorium

University of Missouri, Columbia, MO

MORNING SESSIONS

- 08:00 - 09:00 AM: Registration, Continental Breakfast, Poster Setup

Opening Remarks and DAREC overview

- 09:00 AM - 09:10 AM: Welcome from **Dr. Shibu Jose**
- 09:10 AM - 09:20 AM: Welcome from **Dr. Rob Kallenbach**
- 09:20 AM - 09:35 AM: Program and DAREC overview: **Dr. Jianfeng Zhou**

Invited Speakers and Panel

- 09:40 - 10:10 AM: **Dr. Zachary Leasor**
- 10:15 - 10:45 AM: **Dr. Ignacio Ciampitti**
- 10:45 - 11:00 AM: Coffee Break
- 11:00 - 11:30 AM: **Mr. Scott Drummond**
- 11:30 - 12:00 PM: Panel Discussion
 - Moderator: **Dr. Ken Sudduth**

Lunch: 12:00 - 1:00 PM

AFTERNOON SESSIONS

- 1:00 - 1:35 PM: Soil Health
 - Lead Speaker: **Dr. Kristen Veum**
- 1:35 - 2:10 PM: Sustainable Environment and water
 - Lead Speaker: **Dr. Noel Aloysius**
- 2:10 - 2:45 PM: Social & Economic Implications
 - Lead Speaker: **Dr. Mary Hendrickson, and Dr. Jenny Melo Velasco**
- 2:45 PM - 3:00 PM Break
- 3:00 - 3:30 PM: Technology innovation and sustainability
 - Invited Speaker: **Dr. Steven Thomson**
- 3:30 - 4:00 PM: Interaction and research proposal development (SAS)
 - Moderators: **DAREC Team**
- 4:00 - 6:00 PM: Poster Session, Student Competition and Reception
 - Moderators: **DAREC Team**

Day 2: Technology Day - June 21, 2024

Location: MU Digital Farm, MU South Farm, Columbia, MO

- 9 - 10 AM: Open remarks and technology overview
 - Coordinator: **Prof. Kent Shannon**
 - **Symposium organizing committee**
- 10 - 11:30 AM: Digital Farm Tour
 - Technology Demonstrations
 - Mapping Drones and Sensors, Sprayer
 - Self-Driving Tractor Showcase
 - Latest Agricultural Equipment
- 11:30 - 12 PM: Reflection and wrap up
- 12 PM: Lunch and dismissal

Parking and Direction



Parking and Entrance @ Jefferson Farm
& Garden

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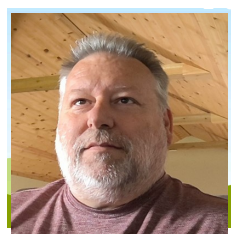
Invited Speakers and Panel



Dr. Ignacio Ciampitti
Professor - Farming Systems,
Department of
Agronomy - K-State University



Dr. Zack Leasor
Assistant Professor in Climate
Science at the University of
Missouri



Mr. Scott Drummond
Senior Data Scientist, Corteva
Agriscience



Dr. Noel Aloysius
Assistant Professor in Department
of Chemical and Biomedical
Engineering at the University of
Missouri



Dr. Kristen Veum
Research Soil Scientist
USDA-ARS Cropping Systems and
Water Quality Research



DR. Steven Thomson
National Program Leader
Division of Agricultural Systems
USDA - National Institute of Food
and Agriculture

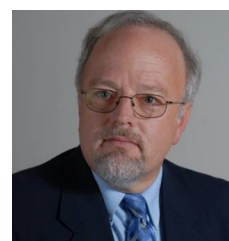
COORDINATOR AND MODERATOR



Prof. Kent Shannon
Assistant Teaching Professor
in Ag Systems Technology at
the University of Missouri



Dr. Jianfeng Zhou
Associate Professor of Ag
Engineering
Plant Science and Technology,
University of Missouri



Dr. Ken Sudduth
Research Leader and
Agricultural Engineer
USDA-ARS Cropping Systems
and Water Quality Research