

Call for Presentations for DIGICROP 2025

International Conference on Digital Technologies for Sustainable Crop Production

DIGICROP 2025 | July 8-10, 2025

<http://www.digicrop.de> | Online Edition

With this call for presentations, we are seeking qualified presenters that engage the scientific audience on the topic of "**Digital Technologies for Sustainable Crop Production**".

DIGICROP 2025 is a scientific event addressing an international and interdisciplinary audience working at the intersection of engineering, robotics, computer science, crop sciences, agricultural sciences, phenotyping, and economics. We welcome contributions that develop, propose, use, or evaluate new digital technologies towards sustainability in the context of crop production, crop breeding, biodiversity, or agro-ecosystems. DIGICROP 2025 will offer a mix of keynote presentations and video talks based on submitted contributions. The conference aims to stimulate scientific discussions among the participants and disseminate results across disciplinary boundaries. Presentations by industry representatives are welcome.

Format: DIGICROP 2025 will take place online, consisting of pre-recorded streamed video talks and live-streamed panel discussions. Talks will be also available online from **June 10** on. Live panel discussions will take place on July 8-10 (5-9 pm, CEST) using a video conferencing tool. The whole event is free of charge for all participants and presenters.

For attendees: Everyone can participate remotely. Further information will be made available soon via the conference website: <http://www.digicrop.de>

For presenters: Presenters are asked to present their **most interesting work of the last 1-2 years** in the form of video talks through a 6-7 min video presentation. Presenters must be available during the conference for the moderated panel discussion, which will be streamed live via an online conferencing tool.

Becoming a presenter: Besides invited presentations, DIGICROP will host talks based on reviewed video submissions. To apply as a presenter, you must **to submit a 6-7 min video** presenting your contribution in an engaging way. **The deadline for submissions is February 14, 2025.** DIGICROP aims at sharing ideas via quality video presentations and does not intend to publish papers. We are interested in showcasing the most interesting work and engage participants in interactions – independently of whether a paper about the work has been published already or not.

Relevant topics: We encourage presentations in the context of modern and digital technologies supporting sustainable crop production. This includes but is not limited to techniques from robotics, mobile sensing, remote sensing, machine learning, and AI for monitoring and analyzing fields, for decision-making, and for supporting sustainable crop production in general. The same holds for approaches investigating new field arrangements, targeted interventions and other management actions, phenotypic trait estimation, simulations and forecasts about the state of the agro-ecosystem but also predictions, upscaling, and impact estimation from an economic point of

view. We also invite presentations on multi-trait and molecular breeding, digital twins, as well as different types of stresses.

Keynote Presenters:

- Senthold Asseng (TU Munich)
- Bruno Basso (Michigan State University)
- Andreas Hund (ETH Zurich)
- Peter Groot Koerkamp (Wageningen University & Research)
- Stefano Mintchev (ETH Zurich)
- Hannah M. Schneider (University of Goettingen, IPK Gatersleben)

Important Dates:

- **February 14, 2025:** Submission deadline for a 6-7 min video
- **April 15, 2025:** Notification
- **July 8-10, 2025:** Main event with live streams and Q&A sessions, in the daytime CEST (5-9 pm)

Submission Information:

- Submit your contribution at <http://www.digicrop.de/submission/> by February 14, 2025.
- The submission consists of a 6-7 min long video explaining your contribution. Visit <http://www.digicrop.de/submission/> for more details.

Selection Criteria:

- Content of the video fits to the call
- Relevance and potential impact of the presented work
- Quality of the presentation and video (16:9 format, 1080p, mp4, h264 codec, high-quality encoding, min. 10 Mbit/s)
- Explanation of the material to people who are not working at the core of your field

Contact: DIGICROP 2025 is organized by [DigiCrop.Net](http://www.digicrop.net), a consortium of research groups and institutions that support a technology-driven approach as one way to address the challenges and explore novel approaches to achieve sustainable crop production.

Should you have any questions, please do not hesitate to contact us via digicrop2025@uni-bonn.de