International Conference on Digital Technologies for Sustainable Crop Production

DIGICROP 2022 | March 28-30, 2022

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 2022 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 our agro-ecosystem. DIGICROP 2022 will offer a mix of keynote presentations, invited talks, 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 2022 will take place online, consisting of pre-recorded video talks and live Q&A sessions. Talks will be available online from **February 15** on. Live Q&A sessions for the talks will happen via an online conferencing tool on March 28-30 (in the daytime, CET). 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 talk. Presenters must be available during the conference for the moderated, live Q&A session via an online conferencing tool.

Becoming a presenter: Besides keynote presentations and invited talks, DIGICROP will host talks based on reviewed submissions. To apply as a presenter, you need **to submit a 6-7 min video** presentation about your contribution. **The deadline for submissions is January 5, 2022.** 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.

Important Dates:
- **January 5:** Submission deadline for a 6-7 min video
- **January 31:** Notification
- **March 28-30:** Main event with live streams and Q&A sessions, in the daytime CET

Submission Information:
- Submit your contribution at http://www.digicrop.de/submission/ by January 5, 2022.
- 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, e.g., 6 Mbit/s)
- Explanation of the material to people who are not working in your field

Contact: DIGICROP 2022 is organized by the German Cluster of Excellence "PhenoRob – Robotics and Phenotyping for Sustainable Crop Production" at the University of Bonn and the AI Institute for Next Generation Food Systems. Should you have any questions, please do not hesitate to contact us via digicrop2022@phenorob.de