

Call for Presentations for DIGICROP 2020

International Conference on Digital Technologies for Sustainable Crop Production

DIGICROP 2020 | November 1-10, 2020

<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 2020 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 2020 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.

Format: DIGICROP 2020 will take place online, consisting of pre-recorded video talks and live Q&A sessions. Talks will be available online from November 1 on. Live Q&A sessions for the talks will happen via an online conferencing tool on November 10 (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 15 min video talk plus a short 3 min version that will serve as a teaser and as the introduction within the Q&A session. Presenters must be available on November 10 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 3 min video** presentation about your contribution. **The deadline for submissions is August 1, 2020.** 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, support measures for plant breeding, 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.

Keynote Presenters:

- Tom Duckett (University of Lincoln – Robotics & Autonomous Systems)
- Frank Ewert (Leibniz Centre for Agricultural Landscape Research, ZALF – Plant Modeling)
- Thomas Heckeley (University of Bonn – Economic and Agricultural Policy)
- Salah Sukkarieh (University of Sydney – Field Robotics)
- Achim Walter (ETH Zurich – Crop Science)
- Michelle Watt (University of Melbourne – Botany)

Important Dates:

- **August 1:** Submission deadline for a 3 min video
- **August 31:** Notification
- **October 1:** Deadline for submitting the final versions of your video presentations
- **November 1:** Conference starts and videos go online
- **November 10:** 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 August 1, 2020.
- The initial submission consists of an up to 3 min long video explaining your contribution. Visit <http://www.digicrop.de/submission/> for more details.
- Accepted presenters will have to provide an up to 15 min long as well as a 3 min version of their presentation by October 1, 2020.

Contact: DIGICROP 2020 is organized by the German Cluster of Excellence “PhenoRob – Robotics and Phenotyping for Sustainable Crop Production” at the University of Bonn. The conference chairs are Cyrill Stachniss and Heiner Kuhlmann, the spokespersons of PhenoRob (<http://www.phenorob.de>). Should you have any questions, please do not hesitate to contact us via digicrop2020@phenorob.de