



Specialist Symposium "Artificial Intelligence for Life" Friday, October 20, 2023 - Online via Zoom

9:00 - 12:30

Dr. Martin Junghans

*CTO Innovation Studios
IBM Deutschland GmbH*
Key Note

Nora Gourmelon

*Friedrich-Alexander-Universität
Erlangen-Nürnberg*
AI-based Remote Sensing
Applications

Dr. Siming Bayer

*Friedrich-Alexander-Universität
Erlangen-Nürnberg*
Untangling the unseen: Hybrid AI
approach tackling inverse problems of
water and energy supplies.

Emanuel Jacobowsky

*Technical University of Applied
Sciences Ingolstadt*
Detecting and counting wheat spike
heads from UAV-based images using
deep convolutional neural networks

Dimo Dimov

*University of Applied Sciences
Karlsruhe*
Exploring the Potential of Multi-
Temporal Crop Canopy Models and
Vegetation Indices from Pleiades
Imagery for Yield Estimation

13:30 - 16:00

Raphael Oefelein

*University of Applied Sciences
Weihenstephan-Triesdorf*
3D Crop Modeling with Neural
Radiance Fields and Hyperspectral
Imaging for Vegetation Index
Computation

Andreas Gilson and Oliver Scholz

Fraunhofer IIS
Digitizing Reality: AI as a Key
Ingredient in the Creation of a
complex Digital Twin

Dr. Sebastian Fritsch

*University of Applied Sciences
Weihenstephan-Triesdorf*
More than ChatGPT: The benefits of
Large Language Models for
agriculture

Prof. Dr. Dominik Grimm

*University of Applied Sciences
Weihenstephan-Triesdorf*
Advancing Protein Engineering with
Large Language Models

Information & registration

We cordially invite you to join our
Specialist Symposium! The
Symposium is English-
speaking and free of charge.
Register [here](#), after registration you
will receive an E-Mail with the Zoom-
Link.

Do you have any questions? Please
contact us:

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We look forward to
your participation!