



14th of June 2024

«Computer Vision for Agriculture»

A one-day symposium for researchers and students interested in exploring how computer vision is changing the agricultural landscape.



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Eidgenössisches Departement für
Wirtschaft, Bildung und Forschung WBF
Agroscope

Data
Day



Time	Talk	Speaker	Title
08:30 – 09:30	Arrival and Registration		
09:30 – 09:45		Hassan-Roland Nasser (Agroscope, Switzerland)	Welcoming address
09:45 – 10:30	Talk 1	João Valente (Spanish National Research Council)	Precision Livestock and Agriculture via Proximal UAV Sensing and Interaction: Challenges and Opportunities
10:30 – 11:15	Talk 2	Oczak Maciej (University of Veterinary Medicine, Austria)	Automated vision in PLF: From key point detection to robust behaviour monitoring
11:15 – 11:45		Coffee Break	
11:45 – 12:30	Talk 3	Matthias Höchemer (CSEM, Switzerland)	Cultivating Synthetic Fields: AI-Driven Data Generation for Sustainable Farming
12:30 – 13h30		Lunch Break	
13:30 – 14:15	Talk 4	Helmut Garbner (ZHAW, Switzerland)	Watching the World – Explore the world with than 10,000 webcams
14:15 – 15:00	Talk 5	Ronja Güldenring (Technical University of Denmark)	Coarse-to-fine plant analysis: A case study on the grassland weed Rumex obtusifolius
15:00 – 15:30		Coffee Break	
15:30 – 16:00	Talk 6	Özgür Türkoglu Mehmet (Agroscope, Switzerland)	Efficient Deep Ensemble Learning for Epistemic Uncertainty Quantification
16:00 – 16:20	Talk 7	Claudia Kasper-Völkl (Agroscope, Switzerland)	Detection of Aggressive Pigs Behavior
16:40 – 16:50		Ralph Stoop (Agroscope, Switzerland)	Closing Remarks
Afterward	Social gathering (to be decided between participants for those who are motivated)		

*registration and attendance is free but **mandatory**, places are limited



(To register: scan the code above or click on the following link: <https://forms.office.com/e/GMZmT9S2m2>)

Set-up & language:

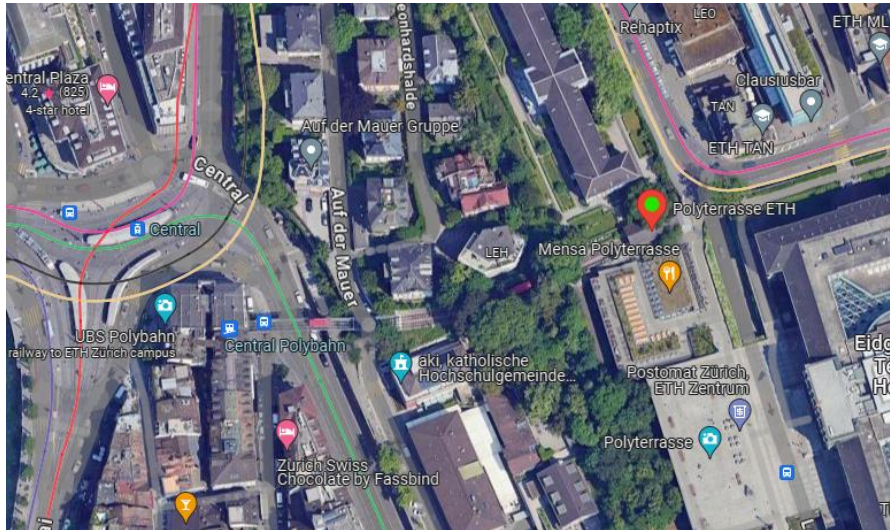
The symposium will be held in English (in presence only) at ETH Zurich.

Venue:

ETH Zurich

MM C 78.1

Alumni Pavillon: (<https://ethz.ch/staffnet/en/service/rooms-and-buildings/rectorate-rooms/others/alumni-pavillon.html>)



Directions – From the Zurich HB (Zurich central train station):

- By walk: 10 min (follow the blue itinerary)
- By PolyBahn (Polytechnic Train): Tram 24 – 9 min
- Using the Buses 6 or 10 – 10 min

