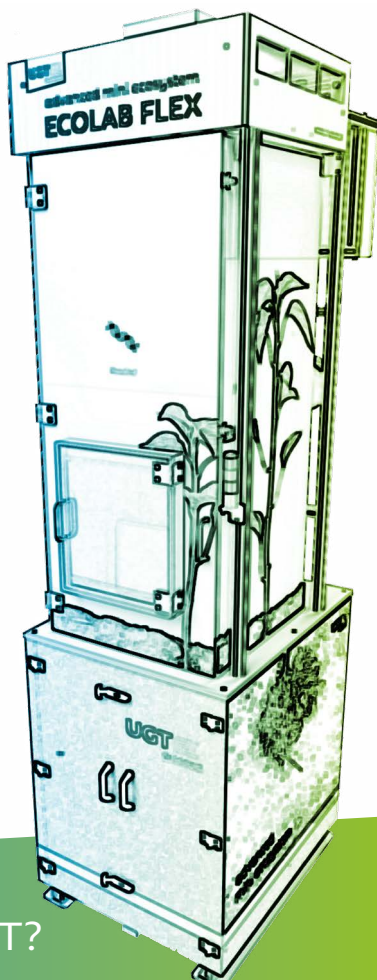


INTERNATIONAL LYSIMETER AND ECOTRON WORKSHOP

March 23-25, 2026

Measurement Methods for Environmental Monitoring

- Hear presentations from users and scientists
- Discuss today's customer requirements
- Network with other users and industry experts
- Get to know us and our solutions



NOT REGISTERED YET?

PROGRAM

MONDAY - March 23, 2026



- 12:00 Registration
- 13:00 Opening - Dr. Sascha Reth (CEO of UGT GmbH)
- 13:30 **INTERCOMPARISON OF THE HYDROLOGICAL RESPONSE OF GREEN ROOFS ACROSS SCALES, SITES AND EXPERIMENTAL SETUPS**
(Prof. Dr. Kristian Förster, Weihenstephan-Triesdorf University of Applied Sciences, Freising)
- 14:00 **RESOLVING ET THROUGH SPACE AND TIME WITH WIDE-SCALE AND POINT MEASUREMENTS**
Max Murphy, Senior Technical Consultant at LI-COR, Bad Homburg and Dr. Sascha Reth, CEO of UGT GmbH)
- 14:30 Coffee break
- 15:00 **EXPERIMENTAL INVESTIGATIONS ON THE INFLUENCE OF DRAINAGE SYSTEMS ON THE LANDSCAPE WATER BALANCE**
(Prof. Dr.-Ing. Wolfgang Rieger, Deggendorf Institute of Technology, Deggendorf)
- 15:30 **BRIDGING SOIL AND PLANT SCIENCE: LEVERAGING 3D PLANT MONITORING IN LYSIMETER SYSTEMS**
(Dr. Peter Pietrzyk, Fraunhofer IIS EZRT, Fürth)
- 16:00 Coffee break
- 16:15 **EXPLORING PLANT INTERACTIONS WITH NATIVE, SYNTHETIC, AND ENGINEERED MICROBIOMES IN ECOPODS**
(Dr. Kateryna Zhalnina, Lawrence Berkeley National Lab, USA)
- 16:45 **NEW IMPROVEMENTS IN SOIL PERMEABILITY MEASUREMENT METHODS IN THE LABORATORY AND THE FIELD**
(Dr. Alan Farsad, President of SoilMoisture Equipment Corp., Santa Barbara)
- 17:15 Product Rallye „Soil Hydological Methods“ at UGT Office
- 18:30 After Work(shop) Beer

PROGRAM

TUESDAY - March 24, 2026



- 09:00 **GOING UNDERGROUND: ROOTS AND RHIZOSPHERE HYDRAULIC PROCESSES IMPACTING PLANT RESPONSE TO DROUGHT**
(Prof. Dr. Mutez Ali Abdelrahman Ahmed, TUM, Munich)
- 09:30 **DESIGN AND COMMISSIONING OF A SERIES OF WEIGHING LYSIMETERS TO UNDERSTAND GARDEN PLANT WATER USE FOR FUTURE CULTIVATED GARDEN SPACES**
(Dr. Nicholas Cryer, Royal Horticultural Society, Surrey)
- 10:00 **SOIL ORGANIC MATTER CYCLING IN CHILEAN SOILS, A MESOCOSM APPROACH** (Prof. Dr. Carsten W. Müller, TU Berlin)
- 10:30 Coffee Break & Poster Session
- 11:00 **TRENDS AND DRIVERS OF SEEPAGE WATER QUANTITY IN POST-MINING SOILS: FINDINGS FROM 30 YEARS OF LYSIMETER MEASUREMENTS**
(Dr. Beate Zimmermann, Forschungsinstitut für Bergbaufolgeland-schaften e.V., Finsterwalde)
- 11:30 **LYSIMETER DATA ANALYSIS AND NEURAL NETWORK MODELING FOR WEATHER-DRIVEN PREDICTION**
(Dr. Ing. Peter Střelec, University of St. Cyril and Methodius in Trnava, Slovakia)
- 12:00 **ADVANCES IN LYSIMETER TECHNOLOGY: WHY THOUGHTFUL PLANNING MAKES ALL THE DIFFERENCE**
(Dr. Sascha Reth, CEO of UGT GmbH)
- 12:30 Lunch
- 13:30 **FIELD TRIPS**
ETG Lysimeter Sampling (TUM Dürnast, Prof. Dr. Mohsen Zare) +
Peatland Gas Measuring System (HSWT Pulling, Dr. Tim Eickenscheidt)
- 17:30 Guided City Tour through Freising
- 18:45 Dinner at Augustiner Bräu, Freising

PROGRAM

WEDNESDAY - March 25, 2026



- 09:00 **FROM GRIDS TO WICKS: TWO INNOVATIVE SOLUTIONS FOR HIGH-WATER MEASUREMENTS**
(Heinke Paulsen, Universität Freiburg)
- 09:30 **ADVANCING SOIL WATER RESEARCH IN MEDITERRANEAN AGROECOSYSTEMS**
(Dr. George Giannopoulos, Hellenic Agricultural Organization DIMITRA)
- 10:00 **SENSOR SYSTEM FOR REAL-TIME SOIL SOLUTION MONITORING IN AGRICULTURAL SYSTEMS**
(Prof. Dr. Iris Vogeler Cronin, Aarhus University)
- 10:30 Coffee Break & Poster Session
- 11:00 **THE SOIL WATER CYCLE: WHAT WE KNOW AND WHAT WE DON'T**
(Dr. Jannis Groh, Forschungszentrum Jülich)
- 11:30 **DIRECT IN-SITU WATER ISOTOPE MEASUREMENTS WITH THE WIP WATER ISOTOPE PROBE SYSTEM**
(Stefanie Kralisch, Customer Consultant UGT GmbH)
- 12:00 **URBAN GREENERY IN CLIMATE CHANGE – (TO WHAT EXTENT) DO SMALL-SCALE GREEN SPACES HELP IN THE SEARCH FOR NEW PLANTING CONCEPTS?**
(David Zimmerling, LVGA, Großbeeren)
- 12:30 Panel Discussion & Pizza
- 13:30 End

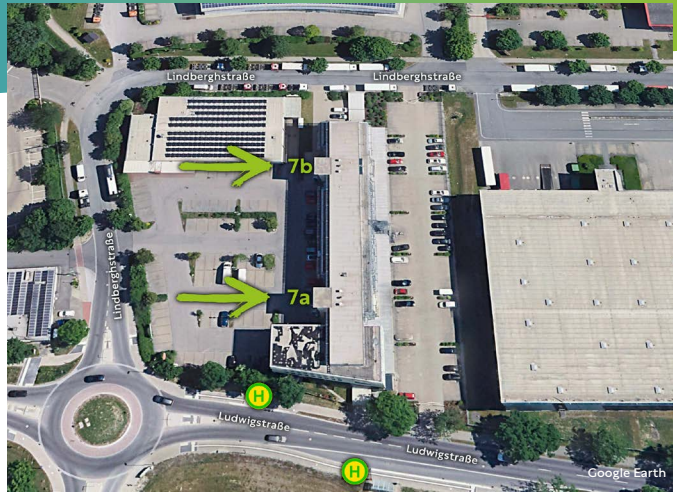
LOCATIONS

Workshop Location

[B3]-Loft, Transmobility
Lindberghstraße 7b
85399 Hallbergmoos

UGT Office

Lindberghstraße 7a
85399 Hallbergmoos
P. +49 811 124478-0



Directions & Parking

When you are arriving by car, please allow some time to find a parking space. Please note: The parking area of the supermarket Penny directly in front of the building is monitored. However, you can arrive comfortably by public transport. The bus (lines 691, 698) stops directly in front of our building.

Catering & Evening Event

In addition to drinks and coffee breaks, we will take care of a varied lunch on Tuesday and Wednesday.

On Monday you are welcome to round off the day with some drinks and cold cuts in the evening.

On Tuesday evening, we have organized a guided city tour through Freising, and we invite you for dinner in a cozy Bavarian restaurant, the Augustiner Bräu in Freising.

Product Rallye & Field Trip

On Monday afternoon you are invited in our office to see some of our products and solutions in real life.

On Tuesday afternoon we do two field trips to Dürnast and Pulling.