

Technology discussion forum with European experts

Leibniz Institute for Agricultural Engineering (ATB)
Building A – Sitzungssaal A101
Max-Eyth-Allee 100, 14469 Potsdam

AGENDA (draft), 5 February 2019

- 10:00 Welcome | Martin Geyer (ATB-Board Chair) and Derek Sandison (Director, Washington State Department of Agriculture)
- 10:15 Introductions & Goals | Ines Hanrahan - WSU
- 10:30 Mechanization/Robotics, Washington | Karen Lewis - WSU
- 11:00 Prec Hort | Manuela Zude - ATB
- 11:15 LiDAR laser scanner utilized in orchard | Nikos Tsoulas - ATB
- 11:30 Proximal Soil Sensing | Robin Gebbers - ATB
- 11:45 Misconceptions of chlorophyll degradation as sole ripening indicator for apple | Michael Blanke – University of Bonn
- Noon Roundtable discussion with morning speakers
- 12:30 Lunch
- 1:30 ATB Tour | Helene Foltan
- 2:00 Lab tour:
Analyzing the fruit developmental stages by means of gas exchange measurements | Nicole Brandes - ATB
Effects of crop load on carbon balance | Martin Penzel - ATB
Gas sensing (ethylene, volatiles, GC-MS) | Namrata Pathak - ATB
- 3:15 Big Apple | Konnie Biegert – KOB
- 3:30 Airflow management in an apple CA storage room | Martin Geyer, Martin Sellweg – ATB/KOB
- 3:45 Frudistor (postharvest defect APP) | Nadine Klein – KOB
- 4:00 Fruit and vegetable packaging, ethylene | Pramod Mahajan - ATB
- 4:15 Economy | Hildegard Garming/NN – TI
- 4:30 Outreach
- 4:45 Departure for Berlin