



Programme

Friday, 26.01.2024

Breakfast	
07:00 – 08:00	Breakfast for all participants in their Conference Hotels
Registration	
08:00 – 08:30	Please visit our conference registration desk in front of the lecture hall to collect your conference package incl. your name tag.
Morning Session: Environmental Science 1 (Chair: Armin Hansel)	
08:30 – 09:00	Dylan Millet (University of Minnesota) <i>Closing the forest-atmosphere flux budget for VOCs and ozone</i>
09:00 – 09:30	Eva Pfannerstill (FZ Juelich) <i>Airborne flux measurements for validation of VOC emission inventories and source attribution</i>
09:30 – 10:00	Giovanni Pugliese (MPI Mainz) <i>Volatile organic compound fluxes from Amazon rainforest soil</i>
10:00 – 10:30	Coffee Break
10:30 – 11:00	Riikka Rinnan (University of Copenhagen) <i>Soil – an important sink for VOCs?</i>
11:00 – 11:20	Wiebke Scholz (University of Innsbruck) <i>Fate of dimethyl sulfide at cold temperatures</i>
11:20 – 12:00	Flash Talks: <ul style="list-style-type: none"> • Ralf Tillmann (FZ Juelich) – <i>Quality assurance of VOC within ACTRIS</i> • Milan Roska (FZ Juelich) – <i>Quantification of OVOC using Collision-Induced-Dissociation ...</i> • Zhensen Zheng (Ionicon) – <i>Insight into spatial variability upon the O₃-precursor ...</i> • Crist Amelynck (Royal Belgian Inst. for Space Aeronomy) – <i>Characterization of VOC ...</i> • Vincenzo Magliulo (CNR Isafom) – <i>Cross-correlations of BVOC emissions ...</i> • Antonio Manco (CNR Isafom) – <i>Real-time air concentrations and turbulent fluxes of VOC ...</i> • Yi Jiao (University of Copenhagen) - <i>Biogenic volatile responses of arctic tundra to ...</i>
Forum Discussion & Poster Session 1	
12:00 – 14:00	Lunch break
14:00 – 16:00	Forum Discussion: <ul style="list-style-type: none"> • Are you curious about Ionicon's flagship instrument FUSION PTR-TOF 10k? Register for your own showcase in front of the lecture hall and see the ultimate performance live • Feel free to enjoy social networking with other participants in the beautiful village or on the skiing slopes of Seefeld.
16:00 – 17:30	Poster Session 1: Present and discuss your research results in front of your posters
Afternoon Session: Environmental Science 2 (Chair: Karena McKinney)	
17:30 – 18:00	Thomas Karl (University of Innsbruck) <i>Urban VOC Flux Observations Using PTR-TOF-MS</i>
18:00 – 18:30	Georgios Gkatzelis (FZ Juelich) <i>Urban enhancement ratios over North America during the AEROMMA campaign</i>
18:30 – 19:00	Yingjun Liu (Peking University) <i>Probing composition and sources of VOCs in 10 new apartments in Beijing, China</i>
Dinner	
19:30	Dinner for all participants in their Conference Hotels

Saturday, 27.01.2024

Breakfast	
07:00 – 08:00	Breakfast for all participants in their Conference Hotels
Morning Session: Food Science 1 (Chair: Franco Biasioli)	
08:30 – 09:00	Jonathan Beauchamp (Fraunhofer IVV) <i>Harnessing the versatility of PTR-MS to explore the multifaceted world of food volatiles</i>
09:00 – 09:20	Corrado Di Natale (University of Rome Tor Vergata) <i>PTR-MS and gas sensors: a mutualistic relationship</i>
09:20 – 09:40	Brian Farneti (Edmund Mach Foundation) <i>Evaluate, understand and create agri-food biodiversity. Direct injection MS can help us!</i>
09:40 – 10:00	Rutger Brouwer (Wageningen UR) <i>Understanding the in vivo flavour release and perception of plant-based meat analogues in relation to their structural properties by using proton transfer reaction-mass spectrometry.</i>
10:00 – 10:30	Coffee Break
10:30 – 11:00	Samo Smrke (ZHAW) <i>Fast-GC PTR-MS Analysis of Coffee VOCs</i>
11:00 – 11:20	Nina Cleve (Fraunhofer IVV) <i>Insights into aroma extraction during coffee brewing using a coupled LCU-PTR-TOFMS approach</i>
11:20 – 11:40	Daniele Zatta (University of Padua) <i>Comparative Analysis of Volatile Abatement Systems from Cooking Emissions</i>
11:40 – 12:00	Valentina Acierno (Wageningen UR) <i>PTR-MS in vivo and in vitro measurements of key meat flavor volatile compounds released during consumption of plant-based patties</i>
Forum Discussion & Poster Session 2	
12:00 – 14:00	Lunch break
14:00 – 16:00	Forum Discussion: <ul style="list-style-type: none">• Are you curious about Ionicon's flagship instrument FUSION PTR-TOF 10k? Register for your own showcase in front of the lecture hall and see the ultimate performance live• Feel free to enjoy social networking with other participants in the beautiful village or on the skiing slopes of Seefeld.
16:00 – 17:30	Poster Session 2: Present and discuss your research results in front of your posters
Afternoon Session: Food Science 2 (Chair: Franco Biasioli)	
17:30 – 18:00	Vincenzo Fogliano (Wageningen UR) <i>Volatile compound monitoring to support food products design: the role of PTR-MS</i>
18:00 – 18:20	Vittorio Capozzi (CNR) <i>Green analytical approaches and sustainable transition of food systems: the potential of PTR-MS to speed up innovation in fermentation</i>
18:20 – 18:40	Iuliia Khomenko (Edmund Mach Foundation) <i>How not to get your PTR-TOF drunk: automated targeted and untargeted headspace analysis of spirits</i>
18:40 – 19:00	Michele Pedrotti (Edmund Mach Foundation) <i>Influence of hydrolysis method, lactase purity and temperature on Maillard reactions in lactose-hydrolysed UHT milk</i>
Dinner	
19:30	Dinner for all participants in their Conference Hotels

Sunday, 28.01.2024

Breakfast	
07:00 – 08:00	Breakfast for all participants in their Conference Hotels
Morning Session: Health Science 1 (Chair: Jonathan Beauchamp)	
08:30 – 09:00	Chris Mayhew (University of Innsbruck) <i>Clinical Applications of Exhaled Volatiles</i>
09:00 – 09:30	Pritam Sukul (University of Rostock) <i>Dynamic nature to metabolic pathway: PTR-MS based discovery of the human origin of breath isoprene</i>
09:30 – 10:00	Stanislas Grassin-Delyle (Hospital Foch) <i>Enhanced proton transfer reaction - mass spectrometry breath analysis for the diagnosis of COVID-19</i>
10:00 – 10:30	Coffee Break
10:30 – 11:00	Markus Metsälä (University of Helsinki) <i>Studies of Volatile Compounds Produced by Pathogenic Oral Bacteria</i>
11:00 – 11:20	Andrea Dell'Olio (Wageningen UR) <i>Exploring the impact of dietary substrates on the gut volatilome: non-invasive in-vitro VOCs monitoring</i>
11:20 – 11:40	Camille Roquencourt (Hospital Foch) <i>New data normalisation methods for PTR-TOF-MS exhaled breath metabolomics</i>
11:40 – 12:00	Jonathan Beauchamp (Fraunhofer IVV) <i>The role of PTR-MS in quality assurance in breath analysis</i>
Lunch break & Forum Discussion	
12:00 – 14:00	Lunch break
14:00 – 17:00	Forum Discussion: <ul style="list-style-type: none">• Are you curious about Ionicon's flagship instrument FUSION PTR-TOF 10k? Register for your own showcase in front of the lecture hall and see the ultimate performance live• Feel free to enjoy social networking with other participants in the beautiful village or on the skiing slopes of Seefeld.
Afternoon Session: Environmental Science 3 (Chair: Karena McKinney)	
17:30 – 18:00	Roger Seco (IAEA-CSIC) <i>Trace gas exchange by subarctic vegetation under global climate change</i>
18:00 – 18:30	Kajsa Roslund (University of Copenhagen) <i>Bacteria isolated from Arctic soil crust and permafrost produce volatile sulfur and nitrogen compounds in vitro</i>
18:30 – 19:00	Markus Müller (Ionicon) <i>Real-time detection of condensed PAHs on a molecular composition level at low pg m⁻³ levels by CHARON FUSION PTR-TOF 10k</i>
Conference Gala Dinner	
20:00	Conference Gala Dinner for all participants in one Hotel

Monday, 29.01.2024

Breakfast	
07:00 – 08:00	Breakfast for all participants in their Conference Hotels Attention: Check-Out from the Conference Hotels latest at 11:00! Please empty your room and bring your luggage either with you to the congress center or ask at the reception for safe storage.
Morning Session: Instruments, Technology & Future Trends (Chair: Armin Hansel)	
09:00 – 09:20	Riccardo Favaro (University of Padova) <i>Monitoring of volatile emission circadian rhythm in pests using PTR-ToF and GC-MS</i>
09:20 – 09:40	Jennifer Braun (Hochschule Bonn-Rhein-Sieg) <i>Rapid on-site detection of Acer infested by Anoplophora glabripennis (Motschulsky) by fastGC-PTR-TOF</i>
09:40 – 10:00	Leander Stark (University of Innsbruck) <i>An Aerosol Thermal Desorption (ATD) inlet for the PTR3 mass spectrometer</i>
10:00 – 10:30	Coffee Break
10:30 – 11:00	Jorge Salazar Gomez (FZ Juelich) <i>From metallurgical gases towards green hydrogen. PTR-TOF-MS - a remarkable companion of the energy transition and defossilization</i>
11:00 – 11:30	Markus Müller (Ionicon) <i>Introducing IDA, a powerful and fast data analysis suite</i>
11:30 – 12:00	Tobias Reinecke (Ionicon) <i>Characterization and application of an ultrahigh sensitivity PTR-MS instrument with a well-defined ion chemistry</i>
Lunch break	
12:00 – 14:00	Lunch break
Afternoon Session: Industrial Applications (Chair: Jens Herbig)	
14:00 – 14:30	Jens Herbig (Ionicon) <i>From Lab to Fab - Enhancing PTR-TOF for Industrial Monitoring</i>
14:30 – 15:00	Constance Coquand (STMicroelectronics) <i>Monitoring of the airborne molecular contamination (AMC) in a semiconductor factory with a PTR-TOF-MS</i>
15:00 – 15:30	Maximilian Muhr (Carl Zeiss SMT) <i>Trace gas analysis with PTR-MS at Carl Zeiss SMT for quality control of Deep UV optical lithography systems</i>
Departure	
16:00	Shuttle bus to Innsbruck (sponsored by Ionicon) departs.

Locations:

- **Congress Center Seefeld:** Klosterstraße 600, 6100 Seefeld in Tirol
<https://www.kongress-seefeld.at/>
- **Hotel Seelos:** Wettersteinstraße 226, 6100 Seefeld in Tirol
<https://www.hotel-seelos.at/>
- **Hotel Alpenpark Resort Seefeld:** Speckbacherstraße 182, 6100 Seefeld in Tirol
<https://www.alpenpark-seefeld.com/>

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