Day 1 Morning Session - Water Vapour Sorption Basics

08:45 -09:00	Welcome
09:00 - 09:45	**Fundamental Aspects of Moisture Sorption** Humidity, water activity, water content, units, terms, definitions, etc.
09:45 - 10:30	**Moisture Interactions with Solids** Overview, chemical/physical changes, applications
10:30 - 11:00	Coffee Break
11:00 - 11:45	**Moisture Sorption Isotherms** Types of isotherms, classification, how to read, etc.
11:45 - 12:30	**Principles of Dynamic Vapour Sorption Instruments** Operating principles, technical details
12:30 - 13:30	Lunch Break

Day 2 Morning Session - Specific Materials & Applications

09:00 - 09:45	**SPS Application in Food** Applications for water vapour sorption in food research
09:45 - 10:30	**Invited Speaker** To be announced
10:30 - 11:00	Coffee Break
11:00 - 11:45	**Moisture Sorption in Pharmaceutics and Related Areas** Pharmaceuticals, tasks and issues, examples, patent relevance, etc.
11:45 - 12:30	**Sorption System Innovation and Future Developments** From a single purpose instrument to a comprehensive system solution
12:30 - 13:30	Lunch Break

Day 1 Afternoon Session - Calibration & Experimental Strategies

13:30 -14:15	**Calibration and Validation of a Moisture Sorption Analyzer** Procedures, sensors and reliability considerations
14:15 - 15:00	**Humidity Validation** Microcrystalline Cellulose as a Reference Material
15:00 - 15:30	Coffee Break
15:30 - 16:15	**Experimental Aspects and Strategies** Sample preparation, experimental setup, complementary techniques
16:15 - 17:00	**Interpretation and Evaluation of measurements** Representative examples, hydration, phase transitions, deliquescence, decomposition etc.
19:00	Conference Dinner
20:30	Guided Tour through Historic Ulm

Day 2 Afternoon Session - Instrument Workshop

13:30 -14:30	**SPS/Vsorp Moisture Sorption Instruments - Workshop part I** Instrument & Software Architecture, Troubleshooting, Strategies for optimized instrument settings, Min weight considerations, Data export & further processing
14:30 - 15:00	Coffee Break
15:00 - 16:00	**SPS/Vsorp Moisture Sorption Instruments - Workshop part II** Hands-on experience: Instrument demonstration, discussion, Q&A
16:00 - 16:30	Coffee, Discussion, Closing Remarks
16:30	End of Seminar