Day 1 Morning Session - Water Vapour Sorption Basics

08:30 -08:45	Welcome
08:45 - 09:30	**Fundamental Aspects of Moisture Sorption** Humidity, water activity, water content, units, terms, definitions, etc.
09:30 - 10:15	**Moisture Interactions with Solids** Overview, chemical/physical changes, applications
10:15 - 10:30	Discussion
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	**Additional Sensors and extended measurement methods** From a single purpose instrument to a comprehensive system solution
12:30 - 13:15	Lunch Break

Day 1 Afternoon Session - Calibration & Experimental Strategies

13:15 -14:00	**Principles of Dynamic Vapour Sorption Instruments** Operating principles, technical details
14:00 - 14:45	**Calibration and Validation of a Moisture Sorption Analyzer** Procedures, sensors and reliability considerations
14:45 - 15:00	Discussion
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.
18:30	Conference Dinner
20:30	Guided tour through historic Ulm

Day 2 Morning Session – Applications & Specific Material

08:45 - 09:30	**Moisture Sorption in Food Research** An overview of DVS applications
09:30 - 10:15	**Phil Rosenow** „Food packaging and hysteresis - Dynamic vapour sorption as the foundation for model-based shelf-life prediction" (Fraunhofer IVV)
10:15 - 10:30	Discussion
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	**Dr. Klügl Johanna / Dr. Ingrid Stelzner** **tba** (Berner Fachhochschule Hochschule der Künste Bern)

Day 2 Afternoon Session - Applications & Instrument Workshop

13:15 -14:00	**Dr. Jörg Schäffer** „Water Vapour Sorption on Used Foundry Sand with Regard to its Reusability" (HOCHSCHULE WEIHENSTEPHAN-TRIESDORF | University of Applied Sciences)
14:00 - 14:15	Coffee Break
14:15 - 15:15	**SPS/Vsorp Moisture Sorption Instruments - Workshop** Hands-on instrument demonstration, open discussion, Q&A
15:15 - 15:30	Closing Remarks
15:30	End of Seminar