Erlangen Edinburgh School of Adsorption 2023

Programme schedule

Monday, 04.09.2023	
18:00	Registration / Welcome reception (in front of lecture hall H12)

Tuesday, 05.09.2023 *Topic: Fundamentals of Adsorption and Porous Materials Characterization*	
08:30 – 09:00	Registration
09:00 - 09:15	Welcome
09:15 - 10:30	Lecture 1 - Fundamentals of Adsorption (Prof. Thommes)
10:30 - 11:00	Coffee Break
11:00 - 12:30	Lecture 2 - Physisorption Characterization (Prof. Thommes)
12:30 - 13:30	Lunch (Mensa FAU, Technical Faculty)
13:30 - 14:30	Lecture 3 - Adsorption Equilibrium: Pure Components and Mixtures (Prof. Brandani)
14:30 - 14:40	Break
14:40 - 15:40	Lab Tour Group 1 Tutorial/Exercise Group 2 - Physisorption Characterization (Prof. Thommes)
15:40 - 16:00	Coffee Break
16:00 - 17:00	Lab Tour Group 2 Tutorial / Exercise Group 1 - Physisorption Characterization (Prof. Thommes)
19:00	Conference Dinner (TIO Erlangen)

Friedrich-Alexander-Universität Erlangen-Nürnberg

Wednesday, 06.09.2023 *Topic: Introduction to Adsorption Kinetics and Breakthrough Dynamics*	
09:00 - 10:30	Lecture 4 - Dr. Tim Golden (Air Products, USA)
10:30 - 11:00	Coffee Break
11:00 - 12:30	Lecture 5 - Adsorption Kinetics (Dr. Mangano)
12:30 - 13:30	Lunch (Mensa FAU, Technical Faculty)
13:30 - 14:30	Lecture 6 - BTC (Prof. Brandani)
14:30 - 14:40	Break
14:40 - 15:40	Lab Tour Group 1 Tutorial Group 2 - BTC (Prof. Brandani)
15:40 - 16:00	Coffee Break
16:00 - 17:00	Lab Tour Group 2 Tutorial Group 1 - BTC (Prof. Brandani)
18:30	Beer Cellar Tour (Entlas Keller Erlangen)

Thursday, 07.09.2023 *Topic: Adsorption Processes and Chromatography*	
09:00 - 10:30	Lecture 7 - Dr. Federico Brandani (Air Liquide, France)
10:30 - 11:00	Coffee Break
11:00 - 12:00	Lecture 8 – Characterization of Nanoporous Materials: Recent Advances (Prof. Thommes)
12:00 - 13:00	Lunch (Mensa FAU, Technical Faculty)
13:00 - 14:30	Lecture 9 - Process Dynamics and Design of Adsorption and Chromatography (Prof. Kaspereit)
14:30 - 14:40	Break
14:40 - 15:40	Lab Tour Group 1 Exercise/Tutorial Group 2 - Process Dynamics / Design of Adsorption and Chromatography (Prof. Kaspereit)
15:40 - 16:00	Coffee Break
16:00 - 17:00	Lab Tour Group 2 Exercise/Tutorial Group 1 - Process Dynamics / Design of Adsorption and Chromatography (Prof. Kaspereit)

Friday, **08.09.2023** *Topic: Gas Storage / CO_2 Capture*	
09:00 - 10:30	Lecture 10 - Fundamentals of High Pressure Adsorption and Gas Storage (Prof. Thommes)
10:30 - 11:00	Coffee Break
11:00 - 12:30	Lecture 11 - CO_2 Capture (Prof. Brandani)
12:30 - 13:30	Lunch (Mensa FAU, Technical Faculty)

CRC 1411 DESIGN OF PARTICULATE PRODUCTS

CLINT CRC 1452 Catalysis at Liquid Interfaces

ERLANGEN TVT

Venue

Emmy-Noether lecture hall **H12**
Felix-Klein-Gebäude (Mathematics and Informatics)
Cauerstraße 11
91058 Erlangen
Germany

Bus stop: **Erlangen Technische Fakultät**: From Erlangen train station, you can take the bus **293** (Bruck Bahnhof) or **287** (Erlangen Sebaldussiedlung)

You can find the bus schedule for Erlangen on the VGN page.

Conference Dinner

Tuesday, 05.09.2023, 19:00 in the Restaurant TIO (Südliche Stadtmauerstraße 10a, 91054 Erlangen)

The restaurant is next to the bus stop Erlangen Arcaden. It is a 5 min walk from Erlangen train station.

Beer cellar tour

Wednesday, 06.09.2023, 18:30 at the beer garden Entlas Keller Erlangen (An den Kellern 5-7, 91054 Erlangen). Bus stop: Erlangen Böttigersteig or Erlangen Martin-Luther Platz

Approx. 1 h tour through the beer cellars.

Please register for the tour during the registration on Monday evening or Tuesday morning.

What else to do for sightseeing?

Visit **Nuremberg**, approx. 30 min by train from Erlangen

- Castle Kaiserburg Nürnberg
- Nürnberg City Center with the Beautiful Fountain
- Albrecht-Dürer-Haus
- Historic rock-cut cellars
- Many museums etc.

Visit **Bamberg**, approx. 30 min by train from Erlangen

- Bamberg City Center
- Bamberg Cathedral
- Old Courtyard / Old Residence Bamberg (Alte Hofhaltung)
- Smoke Beer (Brewery Schlenkerla)