

Students School

SLUB Open Science Lab, [Zellescher Weg 21-25, 01217 Dresden](#)

Monday 19/10/2026

12:00 Registration

13:00 Opening

13:30 Ice-breaker Events

14:00 Coffee Break

14:30 Reactor modeling in MATLAB: basic steps

19:00 Pub Quiz

Students School

Tuesday 20/10/2026

9:00 **Case Study 1: Biogas reactor modeling with Machine Learning (Part 1)**

10:30 Coffee Break

11:00 **Case Study 1: Biogas reactor modeling with Machine Learning (Part 2)**

12:30 Lunch Break

13:30 **Case Study 2: Methanol Synthesis (Part 1)**

15:00 Coffee Break

15:30 **Case Study 2: Methanol Synthesis (Part 2)**

17:30 Closing

Students School

Wednesday 21/10/2026

9:00 Case Study 3: Waste-water treatment (Part 1)

10:30 Coffee Break

11:00 Case Study 3: Waste-water treatment (Part 2)

12:30 Lunch Break

13:30 Case Study 4: Fischer Tropsch Synthesis (Part 1)

15:00 Coffee Break

15:30 Case Study 4: Fischer Tropsch Synthesis (Part 2)

17:00 Closing

Students School

Thursday 22/10/2026

9:00 Case Study 5: Epoxidation of vegetable oils (Part 1)

10:30 Coffee Break

11:00 Case Study 5: Epoxidation of vegetable oils (Part 2)

12:30 Lunch Break

13:30 Case Study 6: Sugar alcohol production (Part 1)

15:00 Coffee Break

15:30 Case Study 6: Sugar alcohol production (Part 2)

17:00 Closing