

1st Summer School TCM Friends Academy

September 29 – October 1, 2025, National Institute of Chemistry, Ljubljana, Slovenia

| | Monday, September 29 | Tuesday, September 30 | Wednesday, October 1 | |
|---------------|---|--|---|--|
| 8:30 – 9:00 | Registration | | | |
| 9:00 – 9:15 | Opening | Assoc. Prof. Dr. Henk Huinink Understanding and improving the performance of TCM composites | Dr. Andrea Frazzica Design of sorption thermal battery based on composite sorbent materials: challenges and perspectives | |
| 9:15 – 9:30 | Assoc. Prof. dr. Peter Weinberger TCMs for versatile thermal energy storage – from salt hydrates to oxides | | Lab work and hands on | Short Oral presentations - Simulations |
| 9:30 – 9:45 | | | | |
| 9:45 – 10:00 | | | | |
| 10:00 – 10:15 | Short Oral presentations - Synthesis | Hands on | | |
| 10:15 – 10:30 | | | | |
| 10:30 – 10:45 | | Coffee break | Coffee break | |
| 10:45 – 11:00 | | | | |
| 11:00 – 11:15 | Coffee break | Prof. Dr. Nataša Zabukovec Logar Structural insights into porous adsorbents | Dr. Walter Mittelbach Adsorption chillers and storage from a market point of view – challenges and perspectives | |
| 11:15 – 11:30 | | | | |
| 11:30 – 11:45 | Lab work and hands on | National Institute of Chemistry guided tour | Lunch | |
| 11:45 – 12:00 | | | | |
| 12:00 – 12:15 | | | | |
| 12:15 – 12:30 | | | | |
| 12:30 – 12:45 | | | | |
| 12:45 – 13:00 | | | | |
| 13:00 – 14:00 | | Lunch | Lunch | Dr. Salvatore Vasta Advancements in Adsorption Refrigeration: Fundamentals and Prototype Evolutions Over the Last Two Decades |
| 14:00 – 14:30 | | | | |
| 14:30 – 14:45 | Dr. Alenka Ristić Synthesis of nanoporous adsorbents and composites | Dr. Daniel Lager Thermophysical methods and properties of TCM | Short Oral presentations - Applications | |
| 14:45 – 15:00 | | | | |
| 15:00 – 15:15 | Lab work and hands on | Short Oral presentations - Characterisation | Closing | |
| 15:15 – 15:30 | | | | |
| 15:30 – 15:45 | | | | |
| 15:45 – 16:00 | | Coffee break | | |
| 16:00 – 16:15 | | | | |
| 16:15 – 16:30 | | | | |
| 16:30 – 16:45 | | | | |
| 16:45 – 17:00 | | | | |
| 17:00 – 18:00 | Short Oral presentations – Synthesis | | | |
| 18:00 – 19:00 | Welcome drinks | | | |
| 19:00 – 20:30 | | | | |
| 20:30 – 23:00 | | Union experience museum * | * A proper lesson about local beers that you simply must experience when in Ljubljana | |
| | | Dinner at Union pub | | |