

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	Prof. Dr. Gregor Anderluh Prof. Dr. Nataša Zabukovec Logar Opening speeches	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	Dr. Salvatore Vasta EERA-JP introduction		
9:30 – 9:45	Dr. Alenka Ristić		
9:45 – 10:00	Introduction into TCMs	Hands on	Short Oral presentations – Simulations and Applications
10:00 – 10:15	Assoc. Prof. dr. Peter Weinberger TCMs for versatile thermal energy storage – from salt hydrates to oxides		
10:15 –10:45			
10:45 – 11:00	Coffee break	Coffee break	
11:00 – 11:15			
11:15 – 11:30	Lab work	Prof. Dr. Nataša Zabukovec Logar Structural insights into porous adsorbents	Coffee break
11:30 – 12:00		National Institute of Chemistry guided tour	Hands on
12:00 – 12:45			Dr. Salvatore Vasta Advancements in Adsorption Refrigeration: Fundamentals and Prototype Evolutions Over the Last Two Decades
12:45 – 13:00			Closing
13:00 – 14:30	Lunch	Lunch	Lunch
14:30 – 15:15	Dr. Alenka Ristić Synthesis of nanoporous adsorbents and composites	Dr. Daniel Lager Thermophysical methods and properties of TCM	
15:15 – 16:15	Lab work	Hands on	
16:15 – 16:30		Coffee break	
16:30 – 16:45	Coffee break		
16:45 – 17:00		Short Oral presentations - Characterisation	
17:00 – 18:00	Short Oral presentations – Synthesis		
18:00 – 19:00			
19:00 – 20:30	Welcome drinks	Union experience museum *	
20:30 – 23:00		Dinner at Union pub	

* A proper lesson about local beers that you simply must experience when in Ljubljana