

4th Winter School of Computational Chemistry Program

Monday 12 Feb 2024		Tuesday 13 Feb 2024		Wednesday 14 Feb 2024	
9:00 – 9:45	Quantum Chemistry Calculation (Part II) (Dr. Zahra Jamshidi)	9:00 – 9:45	Exact and Approximate Wave Functions (Dr. Zahra Jamshidi)	9:00 – 9:45	The Explicitly Corrected Wavefunctions: Looking beyond the Orbital-based Ab-initio Computational Method, Part I Dr. Shant Shahbazian
10:00 – 10:45	Quantum Chemistry Calculation (Part II) (Dr. Zahra Jamshidi)	10:00 – 10:45	Matrices and Quantum Chemistry (Dr. Mohammad Azami)	10:00 – 10:45	Part II (Dr. Shant Shahbazian)
10:45 – 11:15	Break				
11:15 – 12:00	Tutorial ORCA	11:15 – 12:00	Matrices and Quantum Chemistry Dr. Mohammad Azami	11:15 – 12:00	Molecular Dynamics after Photoexcitation, including non- Born-Oppenheimer Effects, Part I (Prof. Horst Köppel)
12:15 – 13:00	Tutorial ORCA	12:15 – 13:00	The Standard Models, Part I (Dr. Zahra Jamshidi)	12:15 – 13:00	Part II (Prof. Horst Köppel)
13:00 – 14:00	Break				
14:00 – 16:00	Molecular Properties Exercise	14:00 – 16:00	Potential Energy Exercise	14:00 – 16:00	Spectroscopy Exercise
16:00 – 16:30	Break				
16:30 – 18:00	Molecular Properties Exercise	16:30 – 18:00	Transition States Exercise	16:30 – 18:00	Spectroscopy Exercise
Thursday 15 Feb 2024					
9:00 – 9:45	TBA, (Prof. Siamak Nourizadeh)				
10:00 – 10:45	The Standard Models, Part II (Dr. Zahra Jamshidi)				
10:45 – 11:15	Break				
11:15 – 12:00	Part III, Prof. Horst Köppel				
12:15 – 13:00	Part IV, Prof. Horst Köppel				