

TCCW 2021 Program

Tuesday 23 November 2021

Tehran Local Time	EU Local Time	Speaker	Topic
10:30 – 11:15	8:00 – 8:45	Dr. Shahb Naghavi	Chalcogenide for Energy Applications
11:30 – 12:30	9:00 – 10:00	Prof. Gernot Frenking	Chemical Bonding and Valence
12:30 – 14:00	10:00 – 11:30	Break	
14:00 – 14:45	11:30 – 12:15	Prof. Shirin Faraji	Photochemistry: Database Accelerated On-the-Fly Nonadiabatic Dynamics
14:45 – 15:10	12:15 – 12:40	Dr. Mohammad Goli	Two-Component Density Functional Theory for Muonic Molecules
15:10 – 15:35	13:05 – 13:30	Dr. Maryam Motallebipour	An Introduction to the MCTDH Approach for Quantum Dynamical Problems: Multidimensional Dynamics Involving a Conical Intersection
15:35 – 16:00	13:30 – 13:55	Dr. Arash Tirandaz	On the Origin of a Neo-Darwinian Problem in Life: Emergence of Homochirality in Biology

Wednesday 24 November 2021

Tehran Local Time	EU Local Time	Speaker	Topic
10:30 – 11:15	8:00 – 8:45	Dr. Zahra Jamshidi	Surface-Enhanced Raman Scattering: Where Theory Meets Experiment
11:30 – 12:30	9:00 – 10:00	Prof. Ali Alavi	Towards an Understanding of Strongly Correlated Electronic Systems Using Quantum Chemistry Methods
12:30 – 14:00	10:00 – 11:30	Break	
14:00 – 14:45	11:30 – 12:15	Dr. Ali Sadeghi	Locality Meets Machine Learning: Excited and Ground-State Energy Surfaces of Large Systems at the Cost of Small Ones
14:45 – 15:10	12:15 – 12:40	Dr. Davood Alizadeh Sanati	Low-Lying Electronic States of the Molecules AB_n (A = Sc-Ni, B = Cu/Ag/Au, n=1,2)
15:10 – 15:35	12:40 – 13:05	Sahar Ashtari	Enhanced Vibrational Circular Dichroism Intensities: Following the Effect of Low-Lying Excited-States
15:35 – 16:00	13:05 – 13:30	Souloke Sen	
16:00 – 16:15	13:30 – 13:45	Break	
16:15 – 17:00	13:45 – 14:30	Poster Session	

Thursday 25 November 2021

Tehran Local Time	EU Local Time	Speaker	Topic
10:30 – 11:15	8:00 – 8:45	Dr. Cina Foroutan-Nejad	Design of Molecular Memristors and Spinristors
11:30 – 12:30	9:00 – 10:00	Prof. Angel Martin Pendas	Interacting Quantum Atoms: Meeting Chemical Intuition from a Real Space Perspective
12:30 – 14:00	10:00 – 11:30	Break	
14:00 – 14:45	11:30 – 12:15	Dr. Shahab Azami	Asymmetric Deformation Density Analysis
14:45 – 15:10	12:15 – 12:40	Dr. Hamid Reza Naeij	Rotational Decoherence
15:10 – 15:35	12:40 – 13:05	Dr. Ali Soltanmanesh	Quantum Coherence on Selectivity and Transport of Ion Channels