

Wednesday			
14:30 - 17:00	Registration		
16:25	Opening Remarks		
16:30 - 17:10	I1	Hans-Dieter Meyer Universität Heidelberg	The Heidelberg MCTDH package, recent developments and applications
17:10 - 17:30	C1	Markus Schröder Universität Heidelberg	Monte-Carlo Potfit - Theory and applications
17:30 - 17:50	C2	Falk Richter Université de Pau et des Pays de l'Adour	AGAPES - an efficient potential energy surface generation method using valence coordinates
17:50 - 18:10	Refreshment Break		
18:10 - 18:50	I2	Uwe Manthe Universität Bielefeld	The MCTDH approach revisited
18:50 - 19:10	C3	David Mendive-Tapia Université Montpellier	Towards a systematic convergence of ML-MCTDH nuclear wavefunctions: The ML-spawning algorithm
19:10 - 19:30	C4	Henrik Larsson Universität Kiel	Efficient molecular quantum dynamics in coordinate and phase space using pruned bases
19:30	Dinner (Buffet)		

Thursday			
09:00 - 09:40	I3	Tucker Carrington Queen's University Kingston	A pruned MCTDH method: Obviating exponential scaling
09:40 - 10:00	C5	Mads Bøttger-Hansen Aarhus University	Tensor decomposition in vibrational coupled cluster theory
10:00 - 10:20	C6	Daniel Pelaez Université de Lille	Representation of PES for quantum dynamical studies for high-dimensional systems. The hydrated hydroxide complex (9D)
10:20 - 10:40	C7	Sergey Yurchenko University College London	ExoSoft: Software for computing large molecular line lists
10:40 - 11:00	Refreshment Break		
11:00 - 11:40	I4	Alex Chin University of Cambridge	Tensor tree-based simulation of open quantum system dynamics
11:40 - 12:20	I5	Michael Thoss University of Erlangen-Nürnberg	Simulation of quantum transport in molecular junctions using the ML-MCTDH method
12:20 - 14:00	Lunch		
14:00 - 14:20	C8	Raghunathan Ramakrishnan Centre for Interdisciplinary Sciences, Hyderabad	Towards reliable electron dynamics across molecular wires and nanostructures
14:20 - 14:40	C9	Andrea Peluso Università degli studi di Salerno	Hole transfer in DNA
14:40 - 15:20	I6	Hua Guo University of New Mexico	Mode specificity in bimolecular reactions revealed by quantum dynamics on ab initio potential energy surfaces

15:20 - 15:40	C10	Yonggang Yang Shanxi University	Quantum dynamics simulations for the dissociation of water dimer
15:40 - 16:00	Refreshment Break		
16:00 - 16:40	I7	Fabien Gatti Université Montpellier	Vibronic coupling Hamiltonian models for molecular systems with motions of large amplitude
16:40 - 17:00	C11	David Picconi TU München	Photodissociation reactions through conical intersections: Insights into the absorption spectrum and the product state distributions
17:00 - 17:20	C12	Loïc Joubert-Doriot University of Toronto	Conical intersection induced interferences in multidimensional quantum dynamics
17:20 - 17:40	C13	Alex Brown University of Alberta	Ground and excited states of HFCO: Potential energy fitting and quantum dynamics in MCTDH

Friday			
09:00 - 09:40	I8	Graham Worth University College London	Direct quantum dynamics simulations of nonadiabatic processes using the DD-vMCG
09:40 - 10:00	C14	Mariana Assmann University College London	Excited state dynamics of the chromophore of the green fluorescent protein
10:00 - 10:20	C15	Irene Burghardt Universität Frankfurt	Hierarchical multiconfigurational Gaussian wavepacket approaches: Recent progress and perspectives
10:20 - 10:40	C16	Jean-Christoph Tremblay Freie Universität Berlin	Can we cheat the Born-Oppenheimer approximation?
10:40 - 11:00	Refreshment Break		
11:00 - 11:40	I9	Geert-Jan Kroes University of Leiden	Ab initio molecular dynamics and MCTDH calculations on a polyatomic molecule-metal surface reaction: Dissociative chemisorption of CHD ₃ on Ni(111)
11:40 - 12:00	C17	Roberto Marquardt Université de Strasbourg	Surface diffusion rates for adsorbates from molecular quantum dynamics calculations
12:00 - 12:20	C18	Manel Mondelo-Martell University of Barcelona	Diabatization of the H ₂ @SWNT system within the MCTDH approach: Circumventing potential energy matrix calculations
12:20 - 14:00	Lunch		
14:00 - 14:40	I10	Peter Saalfrank University of Potsdam	Electron dynamics with wavefunction methods
14:40 - 15:00	C19	Daniel Haxton UC Berkeley	Recent results calculated with MCTDHF
15:00 - 15:20	C20	Annika Bande Helmholtz Center Berlin	Control of energy transfer processes in quantum dot arrays
15:20 - 18:00	Poster Session and Refreshment		
18:30	Conference Dinner and Boat Trip		

Saturday			
09:00 - 09:40	I11	Ofir E. Alon University of Haifa	Uncertainty product of an out-of-equilibrium many-particle system
09:40 - 10:00	C21	Ralph Welsch Caltech	Non-equilibrium quantum correlation functions from ring-polymer molecular dynamics
10:00 - 10:20	Refreshment Break		
10:20 - 10:40	C22	Aurélien Patoz Ecole Polytechnique Lausanne	Geometric integrators of arbitrary order of accuracy for molecular quantum dynamics in electromagnetic fields
10:40 - 11:20	I12	David Coker Boston University	Modeling and design of photosynthetic nano structures: Simulating energy transport and charge separation
11:20 - 11:40	C23	Sergey Antipov Ecole Polytechnique Lausanne	Rigorous approach to the cellularization of the semiclassical Herman-Kluk propagator
11:40	Closing Remarks		
11:50	Lunch		