



METHODOLOGY			
General keyword	Details in topic	Researchers involved	Institute (Group Acronym)
Methodology for strongly correlated systems	Quantum monte carlo, full valence approaches, DMRG	C. Amovilli	(AQM)
Methodology for excited states	Nonadiabatic couplings, quasi-diabatic states, SO couplings	M. Persico, G. Granucci	(DTSH)
Methodology for dynamics	Quantum and mixed quantum-classical nonadiabatic dynamics, surface hopping, polaritonic dynamics	M. Persico, G. Granucci	(DTSH)

APPLICATIONS				
Systems	Property	Methods	Researchers involved	Institute (Group Acronym)
Organic molecules	Photophysical processes, photodissociation and photoisomerization mechanisms, photoprocesses in biomolecules and drugs	semiempirical methods, surface hopping	M. Persico, G. Granucci	(DTSH)
Photoresponsive materials and multichromophoric assemblies	Singlet fission, photoswitch processes	semiempirical methods, surface hopping	M. Persico, G. Granucci	(DTSH)