

Monday, Sept. 26	Time	Speaker	Title
Chair: Abel	8:00-8:15		Welcome
	8:15-8:55	<u>T.Elsaesser</u>	Ultrafast vibrational dynamics of intermolecular hydrogen bonds in the liquid phase
	8:55-9:35	<u>P.Jungwirth</u>	Structure and dynamics of ions at the air/water interface
	9:35-10:00	<u>D.Laage</u>	On the molecular mechanism of water reorientation
	10:00-10:20	Coffee Break	
	10:20-11:00	<u>P.J.Rosky</u>	Simulation of condensed phase quantum dynamics by exploiting quantum decoherence
	11:00-11:40	<u>H.Bakker</u>	Vibrational dynamics of water in strong molecular confinement
	11:40-12:05	<u>J.Lindner</u>	OH-stretch vibrational relaxation of HOD in liquid to supercritical D ₂ O
	12:05-13:30	Lunch	
Chair: Botschwina	13:30-14:10	<u>J.T.Hynes</u>	Infrared-induced proton transfer reactions in solution
	14:10-14:35	<u>E.Nibbering</u>	Sequential proton transfer through water bridges in acid-base reactions
	14:35-15:15	<u>W.Domcke</u>	Conical intersections of potential-energy surfaces and ultrafast deactivation of excited electronic states in biomolecules
	15:15-15:35	Coffee Break	
	15:35-16:00	<u>A.Unterreiner</u>	Ultrafast spectroscopy of cycloheptatriene and its perchlorinated analogue in solution
	16:00-16:25	<u>J.Schroeder</u>	Photodissociation versus photoisomerization of diiodomethane in supercritical solution, a manifestation of the photolytic cage effect
	16:25-16:50	<u>Kawon Oum</u>	The role of complex formation in radical reactions in the gas-to-liquid transition region
	18:00	Posters	

Tuesday, Sept. 27	Time	Speaker	Title
Chair: Troe	8:15-8:55	<u>M.Chergui</u>	Ultrafast structural dynamics and electric field effects in chemical and biological systems
	8:55-9:20	<u>T.Lenzer</u>	Ultrafast intramolecular dynamics of carotenoids in solution
	9:20-9:45	<u>J.Wachtveitl</u>	Primary reactions of proteorhodopsin
	9:45-10:10	<u>P.J.Walla</u>	Femtosecond two-photon spectroscopy of photosynthetic protein complexes
	10:10-10:30	Coffee Break	
	10:30-10:55	<u>J.Weinstein</u>	Structural reorganization via 3-electron S.:S bonding: Tuning excited states of metal chromophores?
	10:55-11:20	<u>S.Techert</u>	Kinetics of photo-induced reactions in the solid state
	11:20-12:00	<u>A.Plech</u>	Pulsed x-ray scattering on global structure relaxations from localized laser excitation
	12:00-13:30	Lunch	
Chair: Suhm	13:30-14:10	<u>P.Hamm</u>	The onset of condensed phase behaviour: The IR-driven cis-trans-isomerisation of HONO in a Kr matrix
	14:10-14:35	<u>M.Kling</u>	19-electron intermediates and cage-effects in the photochemical disproportionation of $[\text{CpW}(\text{CO})_3]_2$ with Lewis base
	14:35-15:00	<u>S.Schmatz</u>	Photo-induced decomposition of organic peroxides in solution
	15:00-15:25	<u>F.Temps</u>	Femtosecond time-resolved fluorescence up-conversion studies of the non-radiative electronic relaxation dynamics of nucleic acid bases
	15:25-15:45	Coffee Break	
	15:45-16:25	<u>S.Hell</u>	Fluorescence nanoscopy: Breaking the diffraction barrier by the RESOLFT concept
	16:25-16:50	<u>B.Lang</u>	Ultrafast solvation dynamics in ionic liquids
	16:50-17:30	<u>P.Vöhringer</u>	Femtosecond relaxation dynamics of solvated electrons in liquid ammonia
	18:30	Dinner	

Wednesday, Sept. 28	Time	Speaker	Title
Chair: Luther	8:15-8:55	<u>W.Zinth</u>	Ultrafast conformational dynamics in light-triggered cyclic peptides
	8:55-9:20	<u>J.Bredenbeck</u>	A pico- to microsecond study of the folding of a photoswitchable α -helix
	9:20-9:45	<u>G.Stock</u>	Molecular dynamics simulation of photoswitchable peptides
	9:45-10:10	Coffee Break	
	10:10-10:50	<u>H.Grubmüller</u>	Elaborate pores and complex machines: nature's nanotechnology benchmarks
	10:50-11:30	<u>C.Griesinger</u>	NMR to study protein dynamics
	11:30-11:55	<u>U.Diederichsen</u>	Base pair mediated electron transfer in DNA like systems
	11:55-13:30	Lunch	
Chair: Schwarzer	13:30-14:10	<u>D.Marx</u>	Nonadiabatic ab initio molecular dynamics: Coupled proton-electron transfer in solution
	14:10-14:35	<u>I.Fischer</u>	Electron transfer dynamics in organic mixed-valence compounds studies by transient absorption spectroscopy
	14:35-15:00	<u>G.Käb</u>	Stochastic Schrödinger equation approach to Quantum/Semiclassical dynamics
	15:00-15:25	<u>M.Hilbert</u>	Correlation analysis of proteins and nanospheres in a deep-nulling microscope
	15:25-16:05	<u>N.P.Ernsting</u>	Towards local IR spectroscopy in DNA
			Concluding remarks

Posters

- P-1** Chandrasekhar Nese, Andreas-Neil Unterreiner, and Frank Endres
Photo-induced Formation of Solvated Electrons in Room-Temperature Ionic Liquids
- P-2** J.-P. Yang, M.M. Kappes, H. Brands, H. Hippler, and A.-N. Unterreiner
Femtosecond Pump-Probe Absorption Studies in Single-Walled Carbon Nanotubes: The Influence of Phonon-Assisted Transitions
- P-3** Jens Bredenbeck, Jan Helbing, Peter Hamm
2D-IR spectroscopy of transient species: From measuring transient structures to labeling vibrations by light
- P-4** Nina K. Schwalb, Friedrich Temps
Femtosecond Time-Resolved Fluorescence Decay Profiles of the Nucleobase Derivative 6N,N-Dimethyladenine
- P-5** Omar F. Mohammed, Anwar Usman, Jian Dong, Kyril M. Solntsev, Laren M. Tolbert, and Erik T. J. Nibbering
Determination of the excited state twisting angle of the chromophore of green fluorescent protein
- P-6** Anwar Usman, K. Heyne, Omar F. Mohammed, J. Dreyer, M. A. Cusanovich, and Erik T. J. Nibbering
Transient structure determination with polarization-sensitive infrared spectroscopy: chromophore dynamics of photoactive yellow protein
- P-7** C. Kolano and P. Hamm
Monitoring the dynamics of small cyclic disulfide peptides by femtosecond infrared spectroscopy
- P-8** J. Lindner, P. Vöhringer, M.S. Pshenichnikov, D. Cringus, D. A. Wiersma, M. Mostovoy
Vibrational energy relaxation of pure liquid water
- P-9** Oli T. Ehrler, Ji-Ping Yang, Andreas-Neil Unterreiner, Horst Hippler, and Manfred M. Kappes
Time-resolved Two Color Pump-Probe Photoelectron Spectroscopy of Isolated Fullerene Negative Ions
- P-10** Tiago Buckup, Marcus Motzkus, Ismael A. Heisler, Ricardo R. B. Correia, Júlio R. Schoffen, Silvio L. S. Cunha
Liquid phase interactions studied with time resolved hyper-Rayleigh scattering

- P-11** H. G. Breunig, A. Lauer, M. V. Korolkov, K.-M. Weitzel
On the control of product yields in the photofragmentation of deuterium ions (DCl⁺)- the relevance of absolute phase
- P-12** J. L. Peres Lustres, Manuel Mosquera Gonzalez, Tamara Senyushkina, Wolfgang Flasche, Sergej A. Kovalenko, and N. P. Ernsting
A molecular IR spectrometer
- P-13** A. Kandratsenka, J. Schroeder, D. Schwarzer, and V. S. Vikhrenko
Mode-specific energy absorption by solvent molecules during CO₂ vibrational relaxation: A molecular dynamics study
- P-14** S. Kühn, D. Schwarzer, P. Kutne, C. Schröder, J. Troe
Intramolecular vibrational energy redistribution in bridged azulene-anthracene compounds: Ballistic energy transport through molecular chains
- P-15** A. Debnarova and S. Techert, *Data Evaluation of X-ray Scattering Signals*
- P-16** Carsten Hennig and Stefan Schmatz
Timescales and reactivity of complex-forming elementary processes
- P-17** Christoph Riehn, Maksim I. Kunitski, Victor V. Matylitsky, Maxim F. Gelin,
New applications for femtosecond rotational coherence spectroscopy: precise molecular structures and perspectives for proton transfer dynamics and molecular alignment
- P-18** Günter Kaeb
Trajectory Surface Hopping as applied to Vibrational Energy Relaxation
- P-19** T. Scharge, C. Emmeluth, and M. A. Suhm
Aggregation of fluorinated alcohols
- P-20** V.A. Galievsky, S.I. Druzhinin, A. Demeter, S.A. Kovalenko, N.P. Ernsting and K.A. Zachariasse
Ultrafast Charge Transfer and Internal Conversion with Tetrafluoro-Aminobenzonitriles
- P-21** S.I. Druzhinin, S.A. Kovalenko, N.P. Ernsting, T. Senyushkina and K.A. Zachariasse

Ultrafast Charge Transfer with 4-(Dimethylamino)benzonitrile in Acetonitrile

- P-22** Julia Weinstein,* N. M. Chavaleev, I. P. Clark,² E. S. Davies, P. Matousek, M. Ya. Mel'nikov, A. W. Parker, S. M. Tavender, M. Towrie
Structural reorganization via 3-electron S-S bonding: Tuning excited states of metal chromophores?
- P-23** R. v. Benten, B. Abel
Dynamical consequences of symmetry breaking in benzene
- P-24** R. v. Benten, O. Link, D. Schwarzer, B. Abel
The impact of the environment on mechanisms of molecular relaxation: From the isolated molecule to supercritical environments and liquids
- P-25** W. Quevedo, J. Daavasambuu, G. Busse and S. Techert,
Photo-induced Reactions in the Liquid Phase: Phase Transitions
- P-26** M. Dvořák¹, M. Michl¹, J. Schroeder², V. Fidler¹,
Localized and CT States in a Bichromophoric Molecule
- P-27** B. Abel, A. Bögehold, A. Charvat, B. Herzog, G. Heim, W. Hoyer, T. Jovin
Biokinetics of Amyloid fibril formation on a kilosecond timescale: Tracing insulin fibrillation and intermediates with time resolved mass spectrometry, light scattering, and in situ atomic force microscopy