

This programme is also available [in PDF format](#).

Conference Program

(as of 23.December 2005)

Saturday, Feb 4, 2006

Arrival of Participants

16:00 – 18:00	Registration
18: 45 – 20:15	Dinner
20:15 - 20:30	Opening

Opening Lecture: **Chair**

20:30 – 21:10	(Trans)formation of carbon nanotubes: Role of electronic and thermal excitations ; David Tomanek
---------------	---------------------------------------------------------------------------------------------------------

Sunday, Feb 5, 2006

7:00 – 9:00	Breakfast
-------------	-----------

Morning Session: **Chair**

9:00 – 9:30	Spectroscopy of cold, gas-phase biomolecular ions; Thomas Rizzo
9:30 – 10:00	Ionization of water and biomolecules: by protons in the bragg peak energy range : separation of direct ionization and electron capture processes; Michel Farizon
10:00 – 10:30	Low energy e- impact on gas phase cytosine and adenine: vibrational, electronic excitations, negative ions; Roberto Abouaf
10:30 – 11:00	Coffee break
11:00 – 11:20	Site selectivity in dissociative free-electron attachment to gas phase nucleobases; Fabio Zappa
11:20 – 11:40	Electron attachment to selected amino acids; Stefan Matejcik
11:40 – 16:00	Discussion Forum
16:00 – 16:30	Coffee break

Afternoon Session: **Chair**

16:30 – 17:00	Combining mass-spectrometry and infrared spectroscopy for the determination of structures of molecules of biological interest; Jean Pierre Schermann
17:00 – 17:30	Environmental and Biological Applications of Microplasmas; Kurt Becker
17:30 – 17:50	Recent developments in Proton-Transfer-Reaction Mass Spectrometry; Armin Wisthaler
17:50 – 18:10	Classification of strawberry cultivars by PTR-MS fingerprinting: from standard multivariate analysis to innovative data mining techniques; Franco Biasioli

18:10 – 18:30	PTR-MS: A new technique for trace VOC detection in the atmosphere; Armin Hansel
18:45 – 20:15	Dinner

Evening Session: **Chair**

20:15 – 22:30	Presentation of Contributed Papers (Posters): 1 min each
---------------	----------------------------------------------------------

Monday, Feb 6, 2006	
----------------------------	--

7:00 – 9:00	Breakfast
-------------	-----------

Morning Session: **Chair**

9:00 – 9:30	The Spectroscopy of Astrochemical Ices; A Study in Ice Morphology; Nigel Mason
9:30 – 10:00	Electron-beam lithography with molecular monolayers: fabrication of molecular surface nanostructures and unimolecular nanosheets; Armin Götzhäuser
10:00 – 10:30	Organic nanofibers from functionalised oligophenylenes: new materials for nanophotonic devices; Katharina Al-Shamery
10:30 – 11:00	Coffee break
11:00 – 11:20	Molecular clusters as reaction medium: Aqueous chemistry of transient species; Martin Beyer
11:20 – 11:40	Surface Processing of Nano-Crystalline Diamond Films for Different Applications; Herwig Drexel
11:40 – 16:00	Discussion Forum
16:00 – 16:30	Coffee break

Afternoon Session: **Chair**

16:30 – 17:00	Cold Electron Collisions in Plasmas; David Field
17:00 – 17:30	Strategies and Pitfalls in the Quantitative Analysis of Thin Films; Peter Wilhartitz
17:30 – 17:50	Nanostructures for cryoelectronics; Andrej Plecenik
17:50 – 18:10	Optical emission spectroscopy of a hollow cathode sputtering source; Codrina Ionita
18:10 – 18:30	Chemistry of organic molecules in non thermal plasmas; Franceschi Pietro
18:45 – 20:15	Dinner

Evening Session: **Chair**

20:15 – 20:55	Gas-phase Catalysis by Atomic and Cluster Metal Ions: The Ultimate Single-Site Catalysts; Helmut Schwarz
20:55 – 21:35	The prospect of designer materials via cluster assembly: the next frontier in nanoscale science; A. Welford Castleman, Jr

Tuesday, Feb 7, 2006	
-----------------------------	--

7:00 – 9:00	Breakfast
-------------	-----------

Morning Session: **Chair**

9:00 – 9:30	Crossed molecular beam studies of radical-molecule and radical-radical reaction dynamics; Piergiorgio Casavecchia
9:30 – 10:00	Photoionisation and ion-molecule reaction studies involving radical species of planetary interest; Christian Alcaraz
10:00 – 10:30	Collisions of slow C1-C3 hydrocarbon ions with room-temperature and heated carbon surfaces: A summary; Zdenek Herman
10:30 – 11:00	Coffee break
11:00 – 11:30	Fullerenes: Electron Attachment and Detachment; Olof Echt
11:30 – 11:50	Real-time Experiments of Doped Helium Nanodroplets: Coherence and Relaxation; Frank Stienkemeier
11:50 – 16:00	Discussion Forum
16:00 – 16:30	Coffee break

Afternoon Session: **Chair**

16:30 – 17:00	Intramolecular Primary Processes: Recent Results and New Questions; Martin Quack
17:00 – 17:30	Attosecond Measurement and Control of Electronic Motion; Matthias Lezius
17:30 – 17:50	Influence of particle-induced electron emission on the plasma sheath voltage; Hanspeter Winter
17:50 – 18:10	Parity-Pairs in Differential Cross Sections of Hexapole State-Selected NO colliding with He; Steven Stolte
18:10 – 18:30	The reactivity and reaction dynamics of ionospheric relevant molecular dications; Stephen Price
18:45 – 20:15	Dinner

Evening Session: **Chair**

20:15 – 22:30	Presentation of Contributed Papers (Posters)
---------------	----------------------------------------------

Wednesday, Feb 8, 2006	
-------------------------------	--

7:00 – 9:00	Breakfast
-------------	-----------

Morning Session: **Chair**

9:00 – 9:30	Clusters in intense light fields - plasma physics on the 1-nm scale; Karl-Heinz Meiwes-Broer
9:30 – 10:00	Time resolved spectroscopy of photochemical reactions on size selected metal clusters; Gerd Ganteför
10:00 – 10:30	Decay Dynamics of Droplets Charged to the Rayleigh Limit; Thomas Leisner
10:30 – 11:00	Coffee break
11:00 – 11:20	High-Pressure Expansion of Molecular Gases; Wolfgang Christen
11:20 – 11:40	Water clusters: Mass spectrometry of pick-up products and effective polarizability measurements; Vitaly Kresin

11:40 – 16:00	Discussion Forum
16:00 – 16:30	Coffee break

Afternoon Session: **Chair**

16:30 – 17:00	High-Resolution Photoelectron Spectroscopy of Radicals; Frédéric Merkt
17:00 – 17:30	Electron-induced chemistry in condensed molecular films; Petra Swiderek
17:30 – 18:00	Electron processing at sub-excitation energies; Eugen Illenberger
18:00 – 18:45	Erwin Schrödinger Award Ceremony
18:45 –	Conference Dinner

Thursday, Feb 9, 2006

7:00 – 8:30	Breakfast
8:30 – 11:00	Checkout and Departure; Shuttle Bus departure: 10:00 on time!