



Programme of the 4th ITS LEIF Annual Meeting and the 2nd Symposium on Ion-Insulator-Interactions S3I

Hotel Cap Roig, Platja d'Aro, Girona (Spain) - 15-22 May 2009

Time	Subject	Speaker / Chair Person
Friday 15th May 2009 - ARRIVAL OF PARTICIPANTS		
17h00 - 18h30	Registration	
18h30 - 19h30	Reception / Welcome	
19h30	Dinner	
21h00	Executive Committee Meeting (closed session)	<i>B.A. Huber, CEA-CIMAP, Caen, FR</i>
Saturday 16th May 2009 - COMMITTEE DAY		
8h30 - 10h30	Team leader Meeting (closed session)	<i>B.A. Huber, CEA-CIMAP, Caen, FR</i>
10h30 - 11h00	Coffee Break	
11h00 - 12h30	NA-Board Meeting (closed session)	<i>R. Morgenstern, KVI Groningen, NL</i>
	TA-Board Meeting (closed session)	<i>J. Rangama, CEA-CIMAP, Caen, FR</i>
	JRA1-Meeting - Sources for complex ions	<i>L. Adoui, CEA-CIMAP, Caen, FR</i>
	JRA4-Meeting - Production & characterisation of gas-phase biomolecular targets	<i>R.W. McCullough, QUB, Belfast, UK</i>
12h30 - 14h00	Lunch	
14h00 - 15h30	JRA2-Meeting - High quality beams of highly charged ions	<i>J. Crespo Lopez-Urrutia, MPIK, Heidelberg, DE</i>
	JRA6-Meeting - Slow ion induced nanostructuring of surfaces and thin films	<i>F. Aumayr, IAP, TUW, Vienna, AT</i>
15h30 - 16h00	Coffee Break	
16h00 - 17h30	JRA3-Meeting - Electrostatic and dynamic Storage Devices	<i>H. Cederquist, Stockholm University, SE</i>
	JRA5-Meeting - Biomolecular fragmentation (radiation damage)	<i>T. Schlathölter, KVI, Groningen, NL</i>
19h30	Dinner	

Sunday 17th May 2009 - USER DAY

Time	Subject	Speaker / Chair Person
8h30-10h00	Short Presentations of Beam Time Applications (12' +3' discussion each)	E. Salzborn, Univ. of Giessen, DE
P09073A	HCl-induced TOF-SIMS studies of hard dental tissues <i>Spokesperson: A. DASKALOVA, Bulgaria</i>	<i>A. Domaracka, CEA-CIMAP, Caen, FR</i>
P09089Q	Fragmentation of methanol induced by impact with slow ions	<i>P. van der Burgt, Univ.Ireland, Maynooth IE</i>
P09083A	Cluster ion induced electron emission from metal surfaces	<i>F. Aumayr, IAP, TUW, Vienna, AT</i>
P09076A	The influence of external fields onto capillary guiding	<i>G. Kowarik, IAP, TUW, Vienna, AT</i>
P09079A	Ionisation and fragmentation of coronene clusters	<i>H. Cederquist, Stockholm University, SE</i>
P09082A	Peptide bond formation in charged α and β alanine clusters	<i>T. Schlathölter, KVI, Groningen, NL</i>
10h00 - 10h30	Coffee Break	
10h30 - 12h00	Short Presentations of Beam Time Applications (12' +3' discussion each)	H. Schmidt-Böcking, Univ. of Frankfurt, DE
P09084A	Charge instabilities of nano-solvated clusters of small biomolecules	<i>P. Hvelplund, UAAR, Aarhus, DK</i>
P09074H	Nanostructures created on BaF ₂ and KBr surfaces by the potential energy of decelerated very highly charged ions	<i>F. Aumayr, IAP, TUW, Vienna, AT</i>
P09087H	Dielectronic recombination into open shells	<i>B. O'Rourke, QUB, Belfast, UK</i>
P09086Z	The role of deoxyribose in ion-induced DNA damage	<i>M. Capron, CEA-CIMAP, Caen, FR</i>
P09080Z	Dynamic properties of ion guiding in nanocapillaries: material and length dependence	<i>N. Stolterfoht, Helmholtz Zentrum Berlin, DE</i>
P09085Z	Photon emission from insulating nanocapillaries during ion guiding	<i>Z. Juhasz, ATOMKI, Debrecen, HU</i>
12h00 - 14h00	Lunch	
14h00 - 15h45	Short Presentations of Beam Time Applications (12' +3' discussion each)	RW McCullough, QUB, Belfast, UK
P09088H	Two electron QED in highly charged He-like ions	<i>B. O'Rourke, QUB, Belfast, UK</i>
P09075Z	Electron emission from thin films of C60	<i>F. Aumayr, IAP, TUW, Vienna, AT</i>
P09077E	Study of the fragmentation processes of drug/amyloid-b complexes	<i>J-C. Pouilly, LPL Villetaneuse, FR</i>
P09078E	Fragmentation of porphyrin ions after electron capture	<i>J. Rangama, CEA-CIMAP, Caen, FR</i>
P09081E	Electron-capture induced fragmentation of Coronene and other polycyclic aromatic hydrocarbons	<i>N. Haag, Stockholm University, SE</i>
P09072E	Electron transfer induced processes in large molecular clusters	<i>E. Uggerud, University of Oslo, NO</i>
P09090A	Electron spectroscopy of capture created doubly excited states of projectile molecules and molecular ions – an exploratory study	<i>B. Sulik, ATOMKI, Debrecen, HU</i>
15h45 - 16h30	Coffee Break	
16h30 - 18h30	Poster session	
19h30 - 21h00	Dinner	

Monday 18th May 2009 - MEETINGS and PROGRESS REPORTS

Time	Subject	Speaker / Chair Person
8h30 - 10h30	Young Scientist Symposium	<i>T. Merrigan, QUB (UK) - P. Ferreira, UIBK (AT)</i>
	Meeting of the Proposal Selection Panel (closed session)	<i>J. Rangama, CEA-CIMAP, Caen, FR</i>
10h30 - 11h00	Coffee Break	
11h00 - 12h30	USER - Meeting	<i>B. Sulik, ATOMKI (HU) - H. Khemliche, LCAM(FR)</i>
	JRA-Board meeting (closed session)	<i>RW McCullough, QUB, Belfast, UK</i>
	Meeting of the Scientific Council (closed session)	<i>H. Schmidt-Böcking, Univ. of Frankfurt, DE</i>
12h30 - 14h00	Lunch	
14h00-15h30	Progress Reports on ITS LEIF Activities	B.A. Huber, CEA-CIMAP, Caen, FR
	NA1: Management overview (10')	<i>C. Malot, CEA-CIMAP, Caen, FR</i>
	NA: Networking (15')	<i>R. Morgenstern, KVI Groningen, NL</i>
	TA: Transnational Access (15')	<i>J. Rangama, CEA-CIMAP, Caen, FR</i>
	JRA1: Sources for complex ions (25')	<i>L. Adoui, CEA-CIMAP, Caen, FR</i>
	JRA2: High quality atomic ion beams (25')	<i>J. Crespo Lopez -Urrutia, MPIK, Heidelberg, DE</i>
15h30 - 16h00	Coffee Break	
16h00 - 17h30	Progress Reports on ITS LEIF Activities	B.A. Huber, CEA-CIMAP, Caen, FR
	JRA3: Electrostatic rings and traps (25')	<i>H. Cederquist, Stockholm University, SE</i>
	JRA4: Production and preparation of biomolecular targets (25')	<i>R.W. McCullough, QUB, Belfast, UK</i>
	JRA5: Biomolecular fragmentation and radiation damage (25')	<i>T. Schlathölder, KVI, Groningen, NL</i>
	JRA6: Nanopatterning and modifications of surfaces (25')	<i>F. Aumayr, IAP, TUW, Vienna, AT</i>
19h30	Dinner	
21h00	Executive Committee Meeting (closed session)	<i>B.A. Huber, CEA-CIMAP, Caen, FR</i>

Tuesday 19th May 2009 - Excursion and Special Session

Time	Subject	Speaker / Chair Person
8h30 - 15h30	Excursion: <i>Dali Museum (Figueras)</i> <i>Lunch at a traditional restaurant</i> <i>Free visit of the old town of Figueras</i>	
15h30 - 16h00	Coffee Break	
16h00	Special Session	
18h30 -19h30	Aperitif	
19h30	Conference dinner	

Wednesday 20th May 2009 - NEAR BY FIELDS

Time	Subject	Speaker / Chair Person
9h00 - 10h30	Near by fields - I	H. Cederquist, Stockholm Univ., SE
9h00 - 9h30	Cosmo-climatology: A new theory emerges	<i>H. Svensmark, DNSC, Kobenhaven, DK</i>
9h30 - 10h00	Irradiation of small organic molecules and clusters	<i>E. Suraud, IRSAMC, Toulouse, FR</i>
10h00 - 10h30	Charge instabilities of microdroplets	<i>E. Giglio, CEA-CIMAP, Caen, FR</i>
10h30 -11h00	Coffee Break	
11h00 - 12h15	Near by fields - II	R. Morgenstern, KVI Groningen, NL
11h00 - 11h30	Power dissipation and radical transport in cold microplasma jets	<i>T. Gans, QUB, Belfast, UK</i>
11h30 - 12h00	Graphene and Boron Nitride single layer templates for molecules	<i>T. Greber, Univ. Zürich, CH</i>
12h00	Concluding Remarks to the 4th Annual Meeting	<i>B.A. Huber, CEA-CIMAP, Caen, FR</i>
12h30 - 14h00	Lunch	

Time	Subject	Speaker / Chair Person
Wednesday 20th May 2009		
	SESSION 1: ION GUIDING	B.A. HUBER
14H00 - 14H30	Opening - Introduction	<i>Y. Yamazaki, Riken, JP</i>
14h30 - 15h00	Dynamics of insulator nano-capillary charge up	<i>R. Schuch, Stockholm Univ., SE</i>
15h00 - 15h30	Dynamic properties of ion guiding through nanocapillaries in an insulating polymer	<i>E. Bodewits, KVI Groningen, NL</i>
15h30 - 16h00	Coffee Break	
	SESSION 2: ION GUIDING	J. TANIS
16h00 - 16h30	Guiding of slow HCl beams through glass-made optics	<i>T. Ikeda, Riken, JP</i>
16h30 - 17h00	Imaging the auto-organised charging dynamics of glass capillaries by ion beams	<i>A. Cassimi, CEA-CIMAP, Caen, FR</i>
17h00 - 17h30	The guiding in flat capillaries	<i>G. Pokhil, Moscow State Univ., RU</i>
17h30 - 18h00	Simulations of charged-particle transport through capillary targets	<i>C. Lemell, ITP, TUW, Vienna, AT</i>
19h30	Dinner	
Thursday 21st May 2009		
	SESSION 3: ION-SURFACE INTERACTIONS	F. AUMAYR
9H00 - 9H30	Swift heavy ion collisions with surfaces under grazing incidence	<i>H. Lebius, CEA-CIMAP, Caen, FR</i>
9h30 - 10h00	Nanostructures induced by highly charged ions on insulating surfaces	<i>René Heller, FZD Dresden, DE</i>
10h00 - 10h30	Coffee Break	
	SESSION 4: ION-SURFACE INTERACTIONS	R. SCHUCH
10h30 - 11h00	Sputtering and surface modification of insulators: charge effect	<i>B. Ban d'Etat CEA-CIMAP, Caen, FR</i>
11h00 - 11h30	Potential energy - induced nanostructuring of insulator surfaces by impact of slow, very highly charged ions	<i>F. Aumayr, IAP, TUW, Vienna, AT</i>
11h30 - 12h00	Diffraction of fast atoms from surfaces	<i>H. Khemliche, CNRS-LCAM, Orsay, FR</i>
12h00 - 14h00	Lunch	
	SESSION 5: CHARGED PARTICLE GUIDING	Y. YAMAZAKI
14H00 - 14H30	Fast electron and ion transmission and guiding in nano- and micro-capillaries	<i>J. Tanis, MSU, Michigan, USA</i>
14H30 - 15H00	Energy and angular distributions of electrons transmitted through Al ₂ O ₃ nanocapillaries	<i>A. Milosavljevic, Belgrade University, RS</i>
15h00 - 15h30	Charged particle guiding through macroscopic capillaries	<i>G. Kowarik, IAP, TUW, Vienna, AT</i>
15h30 - 16h00	Coffee Break	
	SESSION 6: CHARGED PARTICLE GUIDING	N. STOLTERFOHT
16h00 - 16h30	Investigation of MeV ion transport in tapered glass capillaries and its application to micro-PIXE analysis	<i>J. Hasegawa, Tokyo Inst. of Tech., JP</i>
16h30 - 17h00	Systematic study of the ion guiding power for Al ₂ O ₃ capillary samples and ideas for studying ion insulator interactions above the surface	<i>B. Sulik, ATOMKI, Debrecen, HU</i>
17h00 - 17h30	Grazing incidence scattering from insulator surface vs. guiding through capillaries: what do we learn?	<i>N. Bundaleski, CNRS-LCAM, Orsay, FR</i>
17h30 - 18h00	Conclusion	<i>N. Stolterfoht, Helmholtz Zentrum, Berlin, DE</i>
19h30	Dinner	
Friday 22nd May 2009 - 10h00 am: End of the symposium - Departure		