

Projects 2008-2009

Period 2008-2009		Name of Project Manager	
Project No	Project title	Family Name	First Name
ISA-101	Electronic excitation and optical oscillator strength of halogenated alkenes and heterocyclic molecules by high resolution UV-VUV photoabsorption. The case of bromine- and iodine-derivatives.	Hubin-Franskin	Jean-Marie
ISA-106	Electron transmission through gas-phase and condensed molecules	Ziesel	Jean-Pierre
ISA-121	Structural investigation of spider silk proteins and fibres	Vollrath	Fritz
ISA-138	Effects on thermal stability and conformational changes induced by ligand/drug binding and mutations in proteins involved in critical disease states	Janes	Robert W.
ISA-139	Interactions of aromatic sidechains of amino acids in differing hydrophilic/hydrophobic environments monitored in the extended SRCD wavelength range	Janes	Robert W.
ISA-153	VUV Spectroscopy of Astrochemical Ices	Mason	Nigel
ISA-169	Electronic properties of a possible orbital Kondo system: the Cr(001) surface	Izzo	Maria Grazia
ISA-171	Photoionization cross section measurements on Si ions	West	John B.
ISA-177	Asymmetric Amino Acid Photolysis (AAP)	Meierhenrich	Uwe
ISA-178	The electronic structure of (R,R) Tartaric Acid on Cu(110)	Raval	Rasmita
ISA-179	Synchrotron Radiation Circular Dichroism Studies of Soluble Proteins, Glycoproteins, and Membrane Proteins: Ligand and drug binding, fold recognition and thermal stability Part 1: Applications in the Life Sciences	Wallace	Bonnie
ISA-180	Synchrotron Radiation Circular Dichroism Studies of Soluble Proteins, Glycoproteins, and Membrane Proteins: Ligand and drug binding, fold recognition and thermal stability Part 2: Development of New Methodologies	Wallace	Bonnie
ISA-181	The boron-nitride nanomesh as substrate: catalytic reaction of titanyl phthalocyanine	Perkins	Edward
ISA-182	Measurement of photoionization cross section of singly-charged ions prepared in the pure ground state by the combined use of an FT-ICR ion trap and a merged beam set-up	Bizau	Jean-Marc
ISA-183	SRCD investigation of biologically active peptides and proteins in the presence of metal ions	Gyurcsik	Béla
ISA-184	Structuration of oleosome proteins using amphipols	Giuliani	Alexandre
ISA-185	Core level photoemission study of the deposition of ultra-thin silicon films on the hydrogen cleaned InGaAs surface	Hughes	Greg
ISA-186	UV/VUV spectroscopy of seed coats and substances implicated in resistance to UV radiation	Leach	Sydney
ISA-187	Photoemission studies of free base and nickel porphyrin monolayers on the Ag(111) surface.	Cafolla	Attilio
ISA-188	Secondary structure confirmation changes in a confined TRK receptor protein upon interaction within ligands	Angelova	Angelina
ISA-189	Comparitive investigation of the orientation of phthalocyanines on semiconductor and metallic surfaces	McGovern	Iggy
ISA-190	Mechanism of W(CO) ₆ decomposition through electron beam irradiation	Domenichini	Bruno
ISA-191	Photoemission study of hydrogen-carbon nanohorn interactions	Bourgeois	Sylvie
ISA-192	Soft X-ray Photoelectron Spectroscopy of High-k Dielectrics on Passivated Indium Phosphide	McGovern	Iggy
ISA-193	Yeast prion protein folding and assembly	Bousset	Luc
ISA-194	Size effects in semiconductor nanostructures on Si surfaces.	Silva	Ana Gomes
ISA-195	Phase transformations of two-dimensional metal adsorbate on ruthenium	Godowski	P. Jan
ISA-196	VUV photoabsorption to biological relevant molecules: radiation damage studies at the molecular level	Limao-Vieira	Paulo
ISA-197	VUV photoabsorption studies of some atmospherically important molecules	Limao-vieira	Paulo
ISA-198	over ISA-168/dicko: Synchrotron Radiation Linear Dichroism	Rodger	Alison
ISA-199	Characterization of damage caused by UV radiation in lipids biomimetics membranes	Raposo	Maria
ISA-200	Hierarchical Assembly in Silk Proteins Monitored by SRLD	Vollrath	Fritz
ISA-201	First steps of zirconium oxidation studied by photoemission	Domenichini	Bruno

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ISA-202	Cold electron interactions with thin films of cold condensed molecules	Field	Thomas
ISA-203	VUV Irradiation of DNA	Mason	Nigel
ISA-204	Energy Level Alignment and chemical interaction at Alq3/Co interfaces for organic spintronics devices	Zhan	Yiqiang
ISA-205	Exploitation of Synchrotron Radiation Circular Dichroism in view of structural determinations of starch its hydrolysis by acids or enzymes, its polymorphic transitions induced by hydrothermal treatments and its complexing properties.	Wien	Frank
ISA-206	Work function tuning of La _{0.7} Sr _{0.3} MnO ₃ (LSMO) by adsorbing molecules	Li	Fenghong
ISA-1148	The electronic structure of sqrt(3) x sqrt(3) H on Be(0001)	Pohl	Karsten
ISA-1152	Karakterisering af bakterielle toxiners binding til integrin receptorer	Vorup-Jensen	Thomas
ISA-1157	Electron-phonon coupling on Be(0001) surface	Plummer	E. Ward
ISA-1161	Electronic Spectroscopy with Polarized light on Aligned Samples	Spanget-Larsen	Jens
ISA-1162	Investigating molecular associations of degarelix peptides	Bagger	Heidi-Louise
ISA-1163	Cryo X-ray microscopy applied to human sperm ultrastructure and function.	Chantler	Eric
ISA-1164	Interactions between carbonic anhydrase and nitrite	Fago	Angela
ISA-1165	Denaturation of Proteins at interfaces	Wooster	Tim
ISA-1166	Modification of the electronic structure of graphene by atomic hydrogen adsorption	Hornekær	Liv
ISA-1167	New functional layered materials: SiC/SiO ₂ /Si; with Al-oxide as the gate dielectric material and suitable metal gate electrode layers, for new MOS structures	Morgen	Per
ISA-1168	Spin-dependent lifetime of electronic surface states	Hofmann	Philip
ISA-1169	Double-Segregation and compositional profiles in thin, bimetallic Ag _x Pt _{1-x} films	Onsgaard	Jens
ISA-1170	The Structural Changes of Peptides at Membrane Interfaces	Aguilar	Mibel
ISA-1171	Synchrotron radiation circular dichroism of DNA	Brøndsted Nielsen	Steen
ISA-1172	Implementation of Synchrotron Radiation Linear Dichroism (SRLD) and SRLD studies of fibrillated proteins.	Vrønning Hoffman	Søren
ISA-1173	Using vacuum-UV synchrotron radiation circular dichroism to shed new light on amyloid fibril structure	Otzen	Daniel
ISA-1174	Very low energy collisions of electrons with solids at 40K and with DNA	Field	David
ISA-1175	Far-UV CD of denatured states of cytochrome c and model peptides	Thulstrup	Peter W.
ISA-1176	Far-UV Flow Linear Dichroism studies of the DNA interactions of anti-cancer drugs and naturally occurring anti-oxidants.	Thulstrup	Peter W.
ISA-1177	Temperature dependence of the photocatalytic activity of thin TiO ₂ films	Søgaard	Erik G.
ISA-1178	Structural properties of myelin basic protein in membrane-like environments: a model for nerve inflammation in multiple sclerosis	Vorup-Jensen	Thomas