

**ISA
Projects 2007 - 2008**

	Period 2007-2008	Name of Project Leader	
Project No.	Project title	Family Name	First Name Initial(s)
ISA-101	Electronic excitation and optical oscillator strength of monohalogenated alkenes and heterocyclic molecules by high resolution UV-VUV photoabsorption. The case of bromide- and iodide-derivatives.	Franskin-Hubin	M.-J.
ISA-102	Photoionisation of multiply-charged ions of the iron isonuclear sequence	Bizau	J.-M.
ISA-104	Effects of photoirradiation of biotic and prebiotic materials	Leach	S.
ISA-106	Electron transmission through gas-phase and condensed molecules	Ziesel	J.-P.
ISA-113	Ultrastructural Studies of Sperm using X-ray Microscopy	Chantler	E.
ISA-121	Structural investigation of spider silk proteins and fibres	Vollrath	F.
ISA-124	Compositional order of cobalt-based bimetallic alloys on the nanometer scale	Godowski	J.P.
ISA-135	Synchrotron Radiation Circular Dichroism Studies of Na/K-ATPase	Wallace	B.
ISA-136	BaSiO ₃ as alternative dielectric material ?	Imhoff	L.
ISA-138	Effects on thermal stability and conformational changes induced by ligand/drug binding and mutations in proteins involved in critical disease states	Janes	R. W.
ISA-139	Interactions of aromatic sidechains of amino acids in differing hydrophilic/hydrophobic environments monitored in the extended SRCD wavelength range	Janes	R. W.
ISA-145	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	F
ISA-148	Synchrotron Radiation Circular Dichroism Studies of Soluble and Membrane Proteins: Ligand binding and fold recognition	Wallace	B.A.
ISA-152	UV induced damage to DNA	Mason	N.J.
ISA-153	VUV spectroscopy of astrochemical ices	Mason	N.J.
ISA-159	Measurement of the CD-spectra of solid state amino acids and diamino carboxylic acids	Meierhenrich	U.J.
ISA-160	Lithium doped Phtalocyanin in 1, 2 and 3 dimensions	Schulte	K.
ISA-161	The Hepatitis C Virus protein p7 – Structural, Mutational and Drug Studies	Whitfield	T.
ISA-162	Shape-dependent effects in photoelectron spectroscopy of adsorption of metal-phthalocyanines on semiconductor surfaces	McGovern	I.
ISA-163	Co/TiO ₂ thin films as photocatalysts for degradation of organic pollutants	Domenichini	B.
ISA-164	Vuv characterization of DNA layer-by-layer films at the solid/liquid interface	Raposo	M.
ISA-165	Vuv characterization of lipids membranes obtained by layer-by-layer deposition	Raposo	M.
ISA-166	Electronic state spectroscopy of low vapour pressure molecules: VUV photo absorption studies in a hot gas cell	Limao-Vieira	P.
ISA-167	Photon induced excitation of DNA nucleobases by VUV photoabsorption in a new hot gas cell oven	Limao-Vieira	P.
ISA-168	Synchrotron Radiation Linear Dichroism	Dicko	C.
ISA-169	Electronic properties of a possible orbital Kondo system: the Cr(001) surface	Izzo	M.G
ISA-170	A high resolution core level and valence band photoemission study of the Sn/Cu(100) metal surface alloy.	Cafolla	A.
ISA-171	Photoionization cross section measurements on the Kr+isoelectronic sequence and Si ions	West	J.B.
ISA-172	Vuv characterization of DNA layer-by-layer films	Raposo	M.
ISA-173	Interaction of very low energy electrons with molecules on surfaces	Field	T.
ISA-174	Photoemission and x-ray absorption studies of ultrathin MgO films on Silicon substrates	Hughes	G.
ISA-175	Metal nanoparticles on carbon nanomaterials	Kvande	I.
ISA-176	Cu ₂ O/ZnO/Ni ₃ Al multilayers as a p-n junction	Handke	B.
ISA-1132	Interactions of cold electrons with solids	Field	D.
ISA-1133	A PES and NEXAFS study of organic thin films on a TiO ₂ (110) crystal surface	Bæk Simonsen	J.
ISA-1135	Three-dimensional nanostructures- and ultra thin film nano-systems on Si surfaces	Morgen	P.
ISA-1136	ALICE FMD Si-strip detector test	Svane Nielsen	B.

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ISA-1140	XPS of silica compounds	Søgaard	E.G.
ISA-1142	Structural Studies of Sugars, DNA/RNA/LNA Segments and LNA:RNA Hybrids by Synchrotron Radiation Circular Dichroism	Brøndsted Nielsen	S.
ISA-1144	CD analysis of Therapeutic Proteins	Mortensen	S.B.
ISA-1148	The electronic structure of $\sqrt{3} \times \sqrt{3}$ H on Be(0001)	Pohl	K.
ISA-1150	Functional and Pharmaceutical Analysis of Pde10 GAF domains	Matthiesen	K.
ISA-1151	Betydningen af adhæsionsreceptorer i den farmakologiske effekt af Copaxone	Vorup-Jensen	T.
ISA-1152	Karakterisering af bakterielle toxiners binding til integrin receptorer	Vorup-Jensen	T.
ISA-1153	Far UV CD analysis of copper(II), manganese(III), and iron(III) metalloproteins and novel ^{64}Cu PET tracer compounds	Thulstrup	P.V.
ISA-1154	Segregation effects in ultrathin, bimetallic films	Onsgaard	J.
ISA-1155	XPS of arsenic species in iron oxide matrices	Søgaard	E.G.
ISA-1156	Commissioning of the new electron spectrometer at SGM-3	Hofmann	P.
ISA-1157	Electron-phonon coupling on Be(0001) surface	Plummer	E.W.