

SLOVENIA-UKRAINE S&T Cooperation 2009-2010; Approved projects
4th Joint Committee Meeting in Kiev on October 2, 2008.

	Šifra org. (RO)	Naziv organizacije v SI	Šifra nosilca	Naziv nosilca	Principal researcher UA	Naslov projekta	Title of Project	Proposed visits in 2009		Proposed visits in 2010	
								To UA	To SI	To UA	To SI
1.	106	Institut Jožef Stefan Jamova 39 1000 Ljubljana	6875	dr. Roman Trobec	dr. Andriy Lustyk Institute of Physics and Mechanics of NAS of Ukraine Lviv	Pospešitev matričnih operacij na rekonfiguracijskih arhitekturah na silicijskih rezinah	Acceleration of Matrix Operations on a Reconfigurable Computing Architecture Based on the Whole Silicon Wafer	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
2.	101	Inštitut za matematiko, fiziko in mehaniko Jadranska 19 1000 Ljubljana	3342	dr. Matija Cencelj	dr. Oleh Nykyforchyn Vasyl' Stefany Precarpathion National University Ivano-Frankivsk	Algebraične in kategorialne strukture v topologiji	Algebraic and categorical structures in topology	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
3.	1554	Univerza v Ljubljani Fakulteta za matematiko in fiziko Jadranska 19 1000 Ljubljana	10373	dr. Irena Drevenšek-Olenik	Prof. dr. Viktor Reshetnyak Physics Faculty National Taras Shevchenko University Kiev	Holografsko vzorčenje v kompozitih iz polimerno-dispergiranih tekočih kristalov in nanodelcev	Holographic patterning in polymer-dispersed liquid crystal - nanoparticle composites.	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
4.	104	Kemijski inštitut Hajdrihova 19 1000 Ljubljana	29036	dr. Igor Zhukov	Dr. Genadiy Telegeev Institute of Molecular Biology and Genetic NAS of Ukraine Kiev	Rešitev tridimenzionalne strukture PH domene onkoproteina BCR/ABL s pomočjo heteronuklearne NMR metode. Prvi korak k razvoju alternativnih zdravil za zdravljenje mieloidne levkemije.	Solution of spatial structure of PH domain from oncoprotein BCR/ABL by heteronuclear NMR. The first step to development of alternative medication for the treatment of chronic myeloid leukemia	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days

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5.	101	Inštitut za matematiko, fiziko in mehaniko Jadranska 19 1000 Ljubljana	7083	dr. Dušan Repovš	dr. Vladimir Sharko Institute of Mathematics NAS of Ukraine Kiev	Topologija mnogoterosti in uporaba	Topology of manifolds and applications	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
6.	795	Univerza v Mariboru Fakulteta za strojništvo Smetanova 17 2000 Maribor	5168	dr. Vladimir Gliha	dr. Petro Yasniy Ternopl State Ivan Pul'uj Technical University	Uporaba determinističnih in statističnih pristopov pri določevanju preostale življenjske dobe konstrukcij	Application of the deterministic and statistic approaches to the estimation of the residual durability of structures	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
7.	106	Institut Jožef Stefan Jamova 39 1000 Ljubljana	8012	dr. Danilo Suvorov	Prof. Anatolii Bilous SPE "Oxid" of V.I. Vernadskii Institute of General & Inorganic Chemistry NAS of Ukraine, Kiev	Električno prilagodljivi feroelektrični materiali na osnovi Na _{0.5} Bi _{0.5} TiO ₃	Electric-field tunable ferroelectric materials based on Na _{0.5} Bi _{0.5} TiO ₃	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
8.	481	Univerza v Ljubljani Biotehniška fakulteta Oddelek za biologijo Večna pot 111 1000 Ljubljana	14835	dr. Peter Trontelj	Sergiy Utyevskiy V.N. Karazin's Kharkiv National University Kharkiv	Taksonomija in ekologija nekaterih ključnih nevretenčarjev v evropskih celinskih vodah	Taxonomic status and ecology of some key invertebrate species of European continental waters	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days

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9.	106	Institut Jožef Stefan Jamova 39 1000 Ljubljana	4943	dr. Janez Bonča	prof. dr. Sergei Kruchinin Bogolyubov Institute for Theoretical Physics, Kiev	Elektronski transport v nanosistemih	Electronic transport in nanosystems	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
10.	618	ZRC SAZU Novi trg 2 1000 Ljubljana	9652	dr. Andrej Mihevc	dr. Oleksandr Klimchuk V.I. Vernadsky Tavrichesky National Univeristy Scientific Research Center Ukraina Institute of Speleology and Kastology, Simferopol	Geomorfološka in speleogenetska analiza razvoja kraških oblik Dinarskega in Krimskega krasa	Evolution of Dinaric and Crimean karst from geomorphological and speleogenetic analysis	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
11.	795	Univerza v Mariboru Fakulteta za strojništvo Smetanova 17 2000 Maribor	1407	dr. Aleksandra Lobnik	prof. dr. Yuriy Zub O.O.Chuiko Institute of Surface Chemistry NAS of Ukraine Kiev	Sol-gel optični senzori na osnovi novih luminiscenčnih lantanidnih kompleksov	Sol-Gel Optical Sensors Based on Doped New Luminescent Lanthanide Complexes	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
12.	106	Institut Jožef Stefan Jamova 39 1000 Ljubljana	12338	dr. Miha Škarabot	dr. Andriy Nich Institute of Physics NAS of Ukraine Kiev	Tekočerkristalne superstrukture za napredne fotske aplikacije	Liquid Crystals Superstructures For Advanced Photonic Applications (SUPERNET)	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days

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13.	104	Kemijski inštitut Hajdrihova 19 1000 Ljubljana	21426	dr. Mateja Manček Keber	Dr. Oleksandr Kuzmenko Palladin Institute of Biochemistry of the NAS of Ukraine Kiev	Peroksidirani fosfolipidi aktivirajo Tolu podobne receptorje in sodelujejo pri vnetju v kroničnih boleznih	Peroxidized phospholipids activate Toll-like receptors and contributeS to inflammatory processes in chronic diseases	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
14.	796	Univerza v Mariboru Fakulteta za elektrotehniko, računalništvo in informatiko Smetanova 17 2000 Maribor	6824	dr. Riko Šafarič	dr. Serhiy Ivanovych Protsenko Sumy State University	Daljinsko vodeni laboratorij za raziskavo fizičnih lastnosti večplastnih nanosistemov s "spin-dependent electron scattering" metodo	A remote controllable laboratory for the research of physical properties multilayer nanoscale systems with the spin-dependent electron scattering	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days
15.	106	Institut Jožef Stefan Jamova 39 1000 Ljubljana	15146	dr. Zoran Mazej	prof. dr. Marian Mys'kiv Chemical Department, Ivan Franko National University Lviv	Bakrovi(I) π-kompleksi kot potencialne spojine s tri-dimenzionalnim ogrodjem	Copper(I) π-complexes as potential compounds with three-dimensional frameworks	1x14 days or 2x7days	up to 30 man/days	1x14 days or 2x7days	up to 30 man/days