

Sofinanciranje znanstvenoraziskovalnega sodelovanja med R Slovenijo in ZDA v letih 2008 in 2010-36 vlog + 2 podaljšanji do 31.12.2008

| Št.SI | Šifra org. (RO) | Naziv organizacije | Šifra raziskovalca | Ime odgovornega raziskovalca | Email | Sodelujoči raziskovalci | Naslov projekta | Title of Project | Ime odgovornega raziskovalca | Name of responsible researcher | To USA 2008 | To SI 2008 | To USA 2009 | To SI 2009 |
|---------------|------------------------|---|---------------------------|---------------------------------------|--|---|---|--|-------------------------------------|---|--------------------|-------------------|--------------------|-------------------|
| No. SI | Code of org. | Name of organization | Code of researcher | Name of responsible researcher | | | | | | | | | | |
| 3 | 101 | Inštitut za matematiko, fiziko in mehaniko Jadranska cesta 19 1111 Ljubljana | 5953 | Peter Šemrl | imfm@imfm.uni-lj.si | Matej Brešar Gregor Dolinar Gorazd Lešnjak Tatjana Petek Bojan Kuzma | Splošni ohranjevalci | General preservers | Leiba Rodman | College of William & Mary | 1x10d | 1x10d | 1x10d | 1x10d |
| 23 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 4943 | Janez Bonča | janez.bonca@ijs.si | Peter Prelovšek Lev Vidmar | Nova stanja sistemov koreliranih elektronov | Novel States of Correlated Electron Systems | Daniel Batista | T-11 Los Alamos National Laboratory | 1x14d | 1x14d | 1x14d | 1x14d |
| 29 | 101 | Inštitut za matematiko, fiziko in mehaniko Jadranska cesta 19 1000 Ljubljana | 7083 | Dušan Repovš | dusan.repovs@guest.univnest.si | Matjaž Željko Dikran Dikranjan Petar Pavšič Dušan Pagon Marjeta Škapin-Rugelj Jože Malešič Aleksandar Mijatović Žiga Virk Aleksandra Franc | Nove metode v nizko dimenzionalni geometrijski topologiji | New methods in low dimensional geometric topology | Dennis Garity | Department of Mathematics - Oregon State University | 1x14d | 1x14d | 1x14d | 1x14d |
| 30 | 101 | Inštitut za matematiko, fiziko in mehaniko Jadranska cesta 19 1000 Ljubljana | 5949 | Sandi Klavžar | sandi.klavzar@uni-mb.si | Boštjan Brešar Janja Jerebic | Aktualne grafovske invariante | Contemporary Graph Invariants | Douglas Rall | Department of Mathematics, Furman University | 1x14d | 1x14d | 1x14d | 1x14d |
| 53 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 8012 | Danilo Suvorov | danilo.suvorov@ijs.si | Boštjan Jančar Matjaž Spreitzer - MR Jana Bezjak - MR | Mikrovalovni keramični filtri za brezžične telekomunikacije na osnovi lantanidne keramike | Materials World Network: Improved lanthanide-based filters for mobile telecommunications | Rick Ubic | Boise State University | 1x14d | 1x14d | 1x14d | 1x14d |
| 54 | 1540 | Univerza v Novi Gorici Vipavska 13 5001 Nova Gorica | 4101 | Božidar Šarler | bozidar.sarler@p-nq.si | Henrik Gjerkeš Robert Vertnik - MR Gregor Kosec - MR | Napredne brezmrežne metode | Advanced meshless methods | Ching-Shyang Chen | University of Southern Mississippi | 1x14d | 1x14d | 1x14d | 1x14d |
| 59 | 104 | Kemijski inštitut Hajdrihova 19 1000 Ljubljana | 6734 | Dušanka Janežič | dusa@cmm.ki.si | Milan Hodošček Matej Praprotnik Urban Borštnik Janez Konc Nejc Carl | Razvoj računalniških algoritmov za simulacijo molekulske dinamike | Computer Algorithm Development for Molecular Dynamics Simulation | R. Bernard Brooks | National Institutes of Health | 2x14d | 1x7d | 2x14d | 1x7d |
| 76 | 312 | Univerzitetni klinični center Ljubljana Zaloška cesta 2 1000 Ljubljana | 10458 | Borut Peterlin | borut.peterlin@guest.univnest.si | Luca Lovrečić Andrej Kastrin - MR | Genomski biooznačevalci pri huntingtonovi bolezni | Genomic Biomarkers in Huntington's disease | Dimitri Krainc | Harvard University, Massachusetts General Hospital | 1x14d | 1x14d | 1x14d | 1x14d |
| 80 | 1538 | Univerza v Ljubljani Fakulteta za elektrotehniko Tržaška 25 1000 Ljubljana | 10268 | Damijan Miklavčič | damijan.miklavcic@feu.uni-lj.si | Tina Batista Napotnik Matej Reberšek - MR Matej Kranjc - MR | Elektroporacija z nano in mikrosekundnimi pulzi - primerjava in kombinacija | Nano- and microsecond pulse electroporation - comparison and combination | P.Thomas Vernier | University of Southern California | 1x7d | 1x7d | 1x7d | 2x7d |

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| 97 | 1554 | Univerza v Ljubljani Fakulteta za matematiko in fiziko Jadranska 19 1000 Ljubljana | 8725 | Peter Križan | peter.krizan@fmf.uni-lj.si | Boštjan Golob | Študij novih hadronskih vezanih stanj in nadgradnja detektorja Belle | Study of new hadronic bound states and upgrade of the Belle detector | Thomas E. Browder Department of Physics and astronomy, University of Hawaii at Manoa | 1x14d | 1x14d | 1x14d | 1x14d |
| 102 | 782 | Univerza v Ljubljani Fakulteta za strojništvo Aškerčeva 6 1000 Ljubljana | 6883 | Janez Kopač | janez.kopac@fs.uni-lj.si | Edvard Govekar Franci Pušovec Peter Krajnik Davorin Kramar Matej Balažič | Aplikacija principov trajnostnega razvoja v inovativnih obdelovalnih procesih za njihovo celostno izboljšanje | Aplication of sustainability principles in innovative machining processes for improved overall performance | I.S. Jawahir University of Kentucky - Department for Mechanical Engineering | 1x14d | 1x14d | 1x14d | 1x14d |
| 104 | 782 | Univerza v Ljubljani Fakulteta za strojništvo Aškerčeva 6 1000 Ljubljana | 3551 | Janez Grum | janez.grum@fs.uni-lj.si | Matjaž Žnidaršič Tomaž Kek Uroš Trdan | Lasersko modificiranje površin z legiranjem in kompozitno oplastenje | Laser surface modification of aluminium for alloying and composite coating | Narendra B. Dahotre | 1x10d | 1x10d | 1x10d | 1x10d |
| 107 | 1554 | Univerza v Ljubljani Fakulteta za matematiko in fiziko Jadranska 19 1000 Ljubljana | 7110 | Slobodan Žumer | slobodan.zumer@fmf.uni-lj.si | Irena Drevenshek-Olenik Miha Devetak - MR Miha Ravnik - MR | Biomedicinske aplikacije tekočih kristalov | Biomedical applicatios of liquid crystals | Gregory P. Crawford Brown University | 1x14d | 1x14d | 1x14d | 1x14d |
| 112 | 618 | ZRC SAZU Novi trg 2 1000 Ljubljana | 25380 | Stanislav Južnič | izvnic.stanislav-1@ou.edu | | Protestantski astronomi poznega 16. stoletja na področju današnje Slovenije (ob 500letnici Trubarjevega rojstva) | Late 16th Century Protestant Astronomers at the Area of Today's Slovenia (Celebrating Trubar's 500anniversary) | Kerry Magruder University of Oklahoma | 1x14d | 1x14d | 1x14d | 1x14d |
| 121 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 5027 | Milena Horvat | milena.horvat@ijs.si | Nives Ogrinc Dušan Žagar Nataša Sirnik Jože Kotnik David Kocman Vanja Ramšak Matjaž Četina | Izmenjava toksičnih kovin med vodo in sedimentom v onesnaženih sladkovodnih sistemih: sistem reke Idrisce, Slovenija, in jezera Coeur d'Alene, ZDA | Exchange of toxic metals between water and sediment in polluted freshwater systems: the Idrisce River system (Slovenia) and Lake Coeur d'Alene (USA) | Timothy Ginn University of California | 1x14d | 2x7d | 2x7d | 2x7d |
| 128 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 7560 | Maja Remškar | maja.remskar@ijs.si | Marko Viršek - MR Ivan Iskra | Optične in električne lastnosti MoS ₂ in WS ₂ hibridnih nanomaterialov | Optical and electrical properties of MoS ₂ and WS ₂ hybrid nanomaterials | Alan Seabaugh University of Notre Dame | 1x14d | 1x14d | 1x14d | 1x14d |
| 6 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 9089 | Igor Muševič | igor.musevic@ijs.si | Albert Prodan Erik Zupančič Rok Žitko | Spintronika v umetno grajenih nanostrukturah | Spintronics in Artificially Grown Nanostructures | Saw-Wai Hla Department of Physics and Astronomy, Ohio University | 1x7d | 1x7d | 1x7d | 1x7d |
| 17 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 15146 | Zoran Mazej | zoran.mazej@ijs.si | Gašper Tavčar Evgeny Goreshnik | Napredni fluoro-ogljikovi materiali v obliki nano-mrež in njihove kemijske modifikacije | Advanced Nanocaged Fluorocarbon Materials and Their Chemical Modifications | Steven Strauss Colorado State University | 2x7d | 2x7d | 2x7d | 2x7d |
| 26 | 355 | Ortopedska bolnišnica Valdoltra Jadranska cesta 31 6280 Ankaran | 1290 | Ingrid Milošev | ingrid.milosev@ob-valdoltra.si | Tadeja Kosec Andrej Coer Rihard Trebše Venčeslav Pišot Simon Kovač | Identifikacija kovinskih mikro in nanodelcev pri in vivo obrabi umetnih kolčnih sklepov | Identification of metal micro- and nanoparticles formed by wear of total hip prostheses | Roy Bloebaum University of Utah, School of medicine department of Orthopaedics | 1x14d | 1x14d | 1x14d | 1x14d |

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| 31 | 1669 | Univerza na Primorskem Primorski inštitut za naravoslovne in tehnične vede Muzejski trg 2 6000 Koper | 2887 | Dragan Marušič | dragan.marusic@upr.si | Aleksander Malnič Primož Šparl Vito Vitrih - MR Boštjan Kuzman Zhang Cui - MR Klavdija Kutnar - MR Kovacs Istvan | Točkovno tranzitivni grafi: hamiltonskost in semiregularnost | Vertex-transitive graphs: hamiltonicity and semiregularity | Henry Glover Ohio state university, Columbus | 1x14d | 1x14d | | 1x14d |
| 35 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 19163 | Jure Zupan | jure.zupan@ijs.si | Nejc Košnik Jure Drobna | Efektivne teorije za LHC | Effective theories for LHC | Ira Rothstein Carnegie Mellon University - department of Physics | 1x14d | 1x14d | 1x14d | 1x14d |
| 43 | 1510 | Univerza na Primorskem Znanstveno-raziskovalno središče Koper Garibaldijeva 1 6000 koper | 9211 | Boris Kryštofek | boris.krystufek@zrs.upr.si | Elena Bužan Varljen Janko Skok | Potrebe varstva Balkanske biodiverzitete: primer dinarske voluharice | Towards conservation needs of Balkan biodiversity: Martino's vole as a case study | Joseph Cook University of New Mexico | 1x14d | 2x10d | 1x14d | 2x10d |
| 44 | 1510 | Univerza na Primorskem Znanstveno-raziskovalno središče Koper Garibaldijeva 1 6000 Koper | 10728 | Darko Darovec | darko.darovec@zrs.upr.si | Jože Pirjevec Pelikan egon Aleksej Kalc Marko Klavora - MR Urška Železnik - MR Klemen Pust - MR | Interpreteti kultur | Interpreters of cultures | Edward Muri Northwestern University | 1x14d | 1x10d | 1x14d | 1x10d |
| 72 | 1538 | Univerza v Ljubljani - Fakulteta za elektrotehniko Tržaška 25 1000 Ljubljana | 4634 | Aleš Iglič | ales.iglic@fe.uni-lj.si | Veronika Kralj Iglič Miha Fošnarič Klemen Bohinc Janez Pavlič - MR Maruša Lokar - MR | Vpliv elektrostatskih interakcij na mehanizme vesikulacije membrane. | The role of electrostatic interactions on the mechanisms of membrane budding. | Sylvio May Department of Physics - North Dakota State University | 1x14d | 1x14d | 1x14d | 1x14d |
| 73 | 1539 | Univerza v Ljubljani - Fakulteta za računalništvo in informatiko Tržaška cesta 25 1000 Ljubljana | 12536 | Blaž Zupan | blaz.zupan@fri.uni-lj.si | Ivan Bratko Tomaž Curk Minca Mramor - MR Marko Toplak Lan Umek - MR | Računski pristopi in orodja za funkcionalno genomiko in kemogenomiko amebe Dictyostelium | Computational methods and tools for functional and chemogenomics of Dictyostelium | Shaulsky Gad Department of Molecular and Human Genetics - Baylor College of Medicine | 1x14d | 1x7d | 1x1m | 1x1m |
| 96 | 1538 | Univerza v Ljubljani - Fakulteta za elektrotehniko Tržaška 25 1000 Ljubljana | 12609 | Marko Topič | marko.topic@fe.uni-lj.si | Andrej Čampa - MR Jurij Kurnik - MR Benjamin Lipovšek - MR | Nehomogenosti v tankoplastnih sončnih celicah in fotonapetostnih modulih | Inhomogeneities in thin-film solar cells and photovoltaic modules | James R. Sites Colorado State University | 1x14d | 1x7d | 1x7d | 1x7d |

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| 103 | 782 | Univerza v Ljubljani - Fakulteta za strojništvo Aškerčeva 6 1000 Ljubljana | 4316 | Igor Emri | cem@fs.uni-lj.si | Urška Florjančič Anatoli Nikonor Barbara Zupančič Pavel Oblak Peter Boscarol | Mehanske lastnosti nove generacije nanostrukturiranih polimernih dentalnih vsadkov | Mechanical properties of new generation nanostructured polymeric dental implants | Arkady Voloshin Lehigh University - Department of Mechanical Engineering and Mechanics | 1x14d | 1x14d | 1x14d | 1x14d |
| 122 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 5974 | Mojca Čepič | mojca.cepic@ijs.si | Nataša Vaupotič Boštjan Žekš Katarina Susman - MR | Zvezna in diskretna teorija smektičnih tekočih kristalov | Continuum and discrete theory of smectic liquid crystals | Brigita Urbanc Boston University | 1x14d | 1x21d | 1x14d | 1x21d |
| 124 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 3470 | Martin Čopič | martin.copic@ijs.si | Nataša Vaupotič Irena Drevnešek-Olenik Andrej Petelin - MR | Struktura in dinamika omejenih tekočih kristalov z upognjeno sredico | Structure and dynamics of confined bent-core liquid crystals | Noel A. Clark University of Colorado | 1x14d | 1x1m | 1x14d | 1x14d |
| 125 | 106 | Institut Jožef Stefan Jamova 39 1000 Ljubljana | 22289 | Uroš Cvelbar | uros.cvelbar@ijs.si | Miran Mozetič Ita Junkar - MR Kristina Eleršič - MR | Uporaba sistemov nanožič/nanocevk kovinskih oksidov za elektrokemično pretvorbo energije | Metal Oxide Nanowire/Nanotube Arrays for Electrochemical Energy Conversion Applications | K. Mahendra Sunkara University in Louisville | 1x14d | 2x14d | 1x14d | 2x14d |
| 8 | 104 | Kemijski inštitut Hajdrihova 19 1000 Ljubljana | 15991 | Marjan Vračko Grobelšek | marjan.vracko@ki.si | Marjan Novič Marjan Tušar Natalija Fjodorova Minovski Nikola | Ocena QSAR modelov za poliaromatske ogljikovodike (PAH) v luči OECD principov za validacijo QSAR modelov in v luči nove evropske zakonodaje REACH | Evaluation of QSAR models for PAH compounds in terms of OECD Principles for validation of QSAR models and in terms of new European chemical legislation REACH | Sol Bobst Ekponent, Inc. | 1x14d | 1x1m | 1x14d | 1x1m |
| 11 | 104 | Kemijski inštitut Hajdrihova 19 1000 Ljubljana | 6628 | Roman Jerala | roman.jerala@ki.si | Jožica Vašl - MR Nuša Resman - MR Blaž Nemec - MR | Molekulski mehanizem signalizacije preko Toll-like receptorjev | Molecular mechanism of Toll-like receptor signaling | Jerrold Weiss University of Iowa | 1x14d | 1x14d | 1x14d | 1x14d |
| 16 | 1604 | Univerza v Mariboru - Fakulteta za zdravstvene vede Žitna ulica 15 2000 Maribor | 3782 | Peter Kokol | kokol@uni-mb.si | Helena Blažun Miljenko Križmarčič Simon Kocbek Gregor Štiglic | IQ - ECES: Izboljšanje kvalitete življenja starostnikov s pomočjo izobraževanja temelječega na e-učenju in simulacijami | IQ - ECES: Improving the Quality of Elderly Care by E-learning and Simulation based education | Susan Newbold Vanderbilt University School of Nursing | 1x14d | 1x14d | 1x14d | 1x14d |
| 40 | 1683 | CELICA biomedicinski center d.o.o. Tehnološki park 21 1000 Ljubljana | 3702 | Robert Zorec | info@celica.si | Marko Kreft Maja Potokar Matjaž Stenovec | Dinamika Mešičkov | Vesicle Dynamics | Sue Kinnamon Colorado State University | 1x14d | 1x14d | 1x14d | 1x14d |
| 93 | 381 | Univerza v Ljubljani Medicinska fakulteta Vrazov trg 2 1000 Ljubljana | 6777 | Ana Plemenitaš | ana.plemenitas@mf.uni-lj.si | Metka Lenassi Tomaž Vaupotič Martin Fettich | Nef protein virusa HIV se iz celic sprošča z eksosomi | HIV protein Nef is released from cells with exosomes | Boris Matija Peterlin University of California San Francisco | 1x14d | 1x14d | 1x14d | 1x14d |
| 87 | 1027 | Inštitut za varovanje zdravja RS Trubarjeva cesta 2 1000 Ljubljana | 12017 | Maruška Vidovič | maruska.vidovic@ivz-rs.si | | Preučevanje Senescence, staranja in obolenja s pomočjo ocene stresa, oslablosti in zdravja | Assessing stress, frailty and health to unravel senescence, aging and disease | Douglas Crews Department of Anthropology & School of Public Health the Ohio State University | 1x14 | 1x14d | 1x14 | 1x14d |

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| | 105 | Nacionalni inštitut za biologijo Morska biološka postaja Fornače 41 6330 Piran | 5249 | Jadran Faganeli | faganeli@mbss.org | Oliver Bajt Nives Ogrinc Nives Kovač Ester Heath | Organska geokemija in mikrobnna ekologija stratificiranih eutrofnih jezer | Organic geochemistry and microbial ecology of stratified eutrophic alpine lakes | Wakeham Stuart Skidaway Institute of Oceanography 10 Ocean Circle Savannah, GA 31411, USA | | | | |
| | 101 | Inštitut za matematiko, fiziko in mehaniko Jadranska cesta 19 1111 Ljubljana | 208 | Zvonko Trontelj | zvonko.trontelj@fmf.uni-lj.si | Zvonko Jagličić Jernej Slanovec MR | Povezava nanodimensijske magnetike z biologijo: nova tehnika za detekcijo, manipulacijo in kontrolo biološko zanimivih komponent na celičnem nivoju | Integration of nanoscale magnetics with biology as a novel technique for the detection, manipulation and functional control on the cellular level | Franz Baudenbache Vanderbilt University Dept.of Biomedical Engineering Nashville,TN, USA | | 1x14 | | |