

SLOVENIAN-CZECH S&T COOPERATION PROGRAM 2007-2008

APPROVED PROJECTS

ANNEX II

| | SI | SI | CZ | CZ | SI | ANG | Visits in 2007 | Visits in 2008 | | |
|-----|--|------------------------|---|-----------------------|---|---|----------------|----------------|---------------|---------------|
| No. | SLOVENIAN INSTITUTION | SLOVENIAN INVESTIGATOR | CZECH INSTITUTION | CZECH INVESTIGATOR | TITLE OF PROJECT | TITLE OF PROJECT | To CZ | To SI | To CZ | To SI |
| 1. | Univerza v Ljubljani Fakulteta za strojništvo Aškerčeva 6 1000 Ljubljana | Janez Grum | Brno University of Technology | Pavel Mazal | Zagotavljanje varnega delovanja dinamično obremenjenih jeklenih konstrukcij z detekcijo akustične emisije. | Assurance of safe operation of dynamically loaded steel structures using acoustic detection. | 4x8d | 3x10d | 3x10d | 3x10d |
| 2. | Znanstveno raziskovalno središče Koper Garibaldijeva 1 6000 Koper | Jože Pirjevec | Charles University in Prague | Jan Pelikan | Med Sredozemljem in Srednjo Evropo. Kulturni, gospodarski in politični stiki med čehi in Slovenci v obdobju od 16. Do 20. Stoletja | Between the Mediterranean and Central Europe. Cultural, Economic and Political Relations between the Czechs and the Slovenes from the 16th trough the 20th Century | 4x6d 1x1m | 4x6d 1x1m | 4x6d 1x1m | 4x6d 1x1m |
| 3. | Kemijski inštitut Hajdrihova 19 1000 Ljubljana | Majda Žigon | Charles University Prague | Jiri Vohlidal | Nanostrukturni polimerni kompozitni sistemi za uporabo v sončnih celicah in elektronskih napravah | Nanophase polymer-composite syste,s for solar cels and electronic devices | 1x10d 1x2m | 1x10d 1x2m | 1x10d 1x2m | 1x10d 1x2m |
| 4. | Univerza v Ljubljani Fakulteta za računalništvo in informatiko Tržaška 25 1000 Ljubljana | Aleš Leonardis | Czech Technical University in Prague | Hynek Bakstein | Lokalizacija mobilnega robota s panoranskimi slikami | Mobile robot localization from omnidirectional images | 2x5d 1x1m | 2x5d 1x1m | 2x5d 1x1m | 2x5d 1x1m |
| 5. | ZRC-SAZU Novi trg 2 1000 Ljubljana | Marko Juvan | Inštitut za slavistiko, Filozofska fakulteta, Masarykova univerza v Brnu | Ivo Pospíšil | Primer raziskave češkega in slovenskega literarnega polja v srednjeevropskem kontekstu | Comparative Studies of Czech and Slovene literary Fields in central European context | 4x6d | 4x6d | 4x6d | 4x6d |
| 6. | Univerza v Ljubljani Fakulteta za elektrotehniko Tržaška 25 1000 Ljubljana | Aleš Iglič | University in Prague | Matej Daniel | Klinično usmerjena biomehanska analiza aseptične nekroze glavice stegenice | Clinically oriented biomechanical analysis of aseptic necrosis of femoral head | 2x14d 1x1m | 2x14d 1x1m | 2x14d 1x1m | 2x14d 1x1m |

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| 7. | Inštitut za novejšo zgodovino Kongresni trg 1 1000 Ljubljana | Žarko Lazarevič | Inštitut za ekonomsko in socialno zgodovino pri Filozofski fakulteti Karlove univerze v Pragi | Eduard Kubu | Politične, ekonomske in kulturne oblike panslavizma v čeških deželah in na Slovenskem - zgodovinska komparativna perspektiva | Political, economic and cultural features of panslavism in Bohemian Lands and Slovenia - Historical comparative perspective | 4x14d | 4x14d | 4x14d | 4x14d |
| 8. | Kemijski inštitut Hajdrihova 19 1000 Ljubljana | Božidar Ogorevc | University of Pardubice | Karel Vytras | Novi pristopi za sodobno elektrokemijsko detekcijo | Novel approaches for Advanced Elektrochemical Sensing | 2x7d 2x1m | 2x7d 2x1m | 2x7d 2x1m | 2x7d 2x1m |
| 9. | Kmetijski inštitut Slovenije Hacquetova 17 1000 Ljubljana | Vladimir Meglič | Institute for Fodder Crops, Ltd. | Tomas Vymyslicky | Vrednotenje ogroženih rastlinskih genskih virov pomembnih za kmetijstvo | The evaluation of disappearing plant genetic resources important for agriculture | 4x6d | 4x6d | 4x6d | 4x6d |
| 10. | Univerza v Mariboru Fakultete za elektrotehniko, računalništvo in informatiko Smetanova 17 2000 Maribor | Peter Kokol | Czech Technical University in Prague | Lenka Lhotska | Inteligentni agenti v medicini | Intelligent Agents in medicine | 4x12d | 4x12d | 4x12d | 4x12d |
| 11. | Institut Jožef Stefan Jamova 39 1000 Ljubljana | Đani Juričić | Institute of Information Theory and Automation | Tatiana Valentine Guy | Bayesovo odločanje za podporo zaznavanja sprememb v kompleksnih proizvodnih sistemih | Bayesian decision making to support change detection in complex manufacturing systems | 4x12 1x1m | 5x12d | 4x12 1x1m | 4x12d 1x1m |
| 12. | ZRC-SAZU Novi trg 2 1000 Ljubljana | Barbara Murovec | Umetnostnozgodovinski inštitut Češke akademije znanosti in umetnosti | Martin Madl | Umetnostne povezave med slovenskimi in češkimi deželami od 15. do 20. stoletja | Artistic exchange between the Slovenian and the Czech Lands from the 15th to the 20th cEntury | 4x6d | 4x6d | 4x6d | 4x6d |
| 13. | Inštitut za matematiko, fiziko in mehaniko Jadranska 19 1000 Ljubljana | Matjaž Omladič | Mathematical institute of the Academy of Sciences of the Czech Republic | Vladimir Muller | Spektralna teorija linearnih operatorjev | The Spectral Theory of linear Operators | 2x12d 3x7d | 3x12d | 2x12d 3x7d | 4x12d |

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| 14. | ZRC-SAZU Novi trg 2 1000 Ljubljana | Irena Gantar Godina | Historicky ustav Češke Republiky | Ladislav Hladky | Čehi in Slovenci. Skupne kulturne in idejne vezi. | Czechs and Slovenes. Shared bonds of cUlture and Ideology. | 2x12d | 2x12d | 2x12d | 2x12d |
| 15. | Univerza v Mariboru Fakulteta za elektrotehniko, računalništvo in informatiko Smetanova 17 2000 Maribor | Tatjana Welzer Družovec | Czech Technical University in Prague | Jiri Kubalik | Metode in aplikacije podatkovnega rudarjenja III | Data Mining Methods and Their Application III | 4x12d | 4x12d | 4x12d | 4x12d |
| 16. | ZRC-SAZU Novi trg 2 1000 Ljubljana | Andrej Pleterski | Institute of Archaeology and Museology, Faculty of Arts, Masaryk University | Jiri Machaček | Zgodnje neagrane naselbine kot prostor prenosa idej in znanja v srednjeveški Evropi | Early non-agrarian settlements as focal points of idea and knowledge transfer in mediaeval Europe | 1x12d 1x2m | 1x12d 1x1m | 1x12d 1x2m | 1x12d 1x1m |
| 17. | Univerza v Novi Gorici Vipavska 13 5000 Nova Gorica | Klemen Bergant | Karlova univerza v Pragi | Tomas Halenka | Regionalno modeliranje podnebja z visoko ločljivostjo na območjih s kompleksnim terenom | High Resolution Regional Climate Modelling in Regions with the complex Terrain | 2x5d 1x1m | 2x5d 1x1m | 2x5d 1x1m | 2x5d 1x1m |
| 18. | Univerza v Ljubljani Fakulteta za kemijo in kemijsko tehnologijo Aškerčeva 5 1000 Ljubljana | Janez Košmrlj | Tomas Bata University in Zlin | Stanislav Kafka | Nove pretvorbe kinolindionov | New Transformations of Quinolinediones | 2x12d | 2x12d 1x1m | 2x12d | 2x12d 1x1m |
| 19. | ZRC-SAZU Novi trg 2 1000 Ljubljana | Franci Gabrovšek | Institute of Geology Academy of Sciences of the Czech Republik | Petr Pruner | Paleomagnetne raziskave sedimentov na kraških področjih Slovenije: aplikacija za rekonstrukcijo geomorfološkega razvoja v kenozoiku | Paleomagnetic research of sediments in karst areas of Slovenia: applications for reconstruction of Cenozoic geomorphic evolution | 2x6d | 2x6d | 2x6d | 2x6d |
| 20. | Institut Jožef Stefan Jamova 39 1000 Ljubljana | Tina Zavašnik Bergant | Faculty of Biological Sciences, University of South Bohemia | Libor Grubbhofer | Vpliv inhibitorja cistatina iz sline klopov na delovanje človeških dendritičnih celic | Effect of inhibitor cystatin from tick saliva on the function of dendritic cells | 3x8d 1x1m | 3x8d 1x1m | 3x8d 1x1m | 3x8d 1x1m |
| 21. | Univerza v Ljubljani Fakulteta za kemijo in kemijsko tehnologijo Aškerčeva 5 1000 Ljubljana | Aleksander Pavko | Academy of sciences of the Czech republic | Čenek Novotny | Uporaba reaktorja z rotirajočimi diski za biorazgradnjo organopolutantov z ligninolitičnimi glivami | Application of rotating disc reactor for biodegradation of organopollutants with ligninolytic fungi | 2/5d 1/1m | 2/5d 1/1m | 2/5d 1/1m | 2/5d 1/1m |

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| 22. | Univerza v Ljubljani Medicinska fakulteta Korytkova 2 1000 Ljubljana | Ida Eržen | Institute of Physiology | Lucie Kubinova | Transformacije tipov mišičnih vlaken in preoblikovanje kapilarne mreže v zdravi in patološko spremenjeni mišici | Muscle fibre type transformation and remodelling of the capillary network in health and disease | 3x7d | 3x7d | 3x7d | 3x7d |
| 23. | Univerza v Ljubljani Filozofska fakulteta Aškerčeva 2 1000 Ljubljana | Barbara Lampič | Ostravska univerzita | Petr Žufan | Ekološko kmetijstvo kot razvojni potencial za podeželje (primerjava med Češko republiko in Slovenijo) | Organic farming as development potential for rural areas (The comparison between the Czech Republic and Slovenia) | 3x7d | 3x7d | 3x7d | 3x7d |
| 24. | Univerza v Ljubljani Naravoslovnotehniška fakulteta Aškerčeva 12 1000 Ljubljana | Tadeja Muck | University of Pardubice | Marie Kaplanova | Proučevanje interakcij UV tiskarskih barv | The investigation of UV inks interaction | 3x12d 1X1M | 3x12d 1X1M | 4x12d 1X1M | 4x12d 1X1m |
| 25. | Univerza v Ljubljani Naravoslovnotehniška fakulteta Aškerčeva 12 1000 Ljubljana | Primož Mrvar | Brno University of Technology | Milan Horaček | Nove lahke zlitine za avtomobilsko industrijo | New light alloys for automotive industry | 4x10d | 4x10d | 4x10d | 4x10d |
| 26. | Univerza v Mariboru Fakulteta za strojništvo Smetanova 17 2000 Maribor | Miran Ulbin | Academy of Sciences of the Czech Republic | Dušan Gabriel | Numerične simulacije širjenja napetostnih valov v trdninah in poroznih materialih | Numerical simulation of stress wavw propagation in solids and porous media | 3x10d | 3x10d | 3x10d | 3x10d |
| 27. | Univerza v Mariboru Fakulteta za elektrotehniko, računalništvo in informatiko Smetanova 17 2000 Maribor | Sebastian Krivograd | University of West Bohemia | Josef Kohout | Algoritmi za modeliranje terena | Algorithms for terrain modeling | 4x7d | 4x7d | 4x7d | 4x7d |
| 28. | Geološki zavod Slovenije Dimičeva 14 1000 Ljubljana | Miha Mišič | Mendel University of Agriculture and Forestry Brno | Klement Resjek | Kras kot kmetijsko zemljišče: minerološke in pedološke raziskave kraških žepov in njihovih polnil ter njihov pomen za sonaravno gospodarjanje | The Karst as an agricultural land: a mineralogical and pedological study of karst pockets in -filling and their importancy for the sustainable land use | 1x7d | 1x7d | 1x7d | 1x7d |

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| 29. | Univerza v Mariboru Pedagoška fakulteta Koroška c. 160 2000 Maribor | Lučka Lorber | Palacky University | Pavel Ptaček | Politika inovacij na Češkem in v Sloveniji: institucije, mreženje in regionalni razvoj | Innovation policy in the Czech Republic and Slovenia: Institution, Networks and Regional Development | 3x10d | 3x10d 1x1M | 3x10d | 3x10d 1x1M |