

## Společné česko-polské vědecké projekty pro období 2010-2011

Kód	Český řešitel	Česká instituce	Název projektu
<b>VVŠ</b>			
MEB051003	Ing. Vlasta Sedláková, PhD.	VUT Brno	The electro-ultrasonic and narrowband resonant ultrasonic spectroscopy for testing of electronic materials and devices
MEB051004	Ing. Martin Keppert, PhD., Assistant Professor	ČVUT Praha	Prediction of water transport parameters of building materials from their microstructure
MEB051007	Prof. Ing. Stanislav Rusz, CSc.	VŠB Ostrava	Severe plastic deformation Al and Cu alloys to obtain ultra fine grain structure
MEB051008	Prof. Petr Šeba	Univerzita Hradec	Quantum graphs and microwave networks
MEB051009	PhDr. Lenka Mráčková, PhD., Assistant Professor	UK Praha	The musical culture of Silesia before 1741 from the Polish and Czech perspectives
MEB051016	Mgr. Viktor Goliáš, PhD.	UK Praha	Radon in groundwaters of the Sudety Mountains - Stage II. Lázně Libverda/Swieradów-Zdrój area in the Jizera mountains
MEB051018	RNDr. Miroslav Zejda, PhD.	MU Brno	Binaries - key to comprehension of the Universe
MEB051019	Prof. RNDr. Jitka Ulrichová, CSc.	UP Olomouc	Quality evaluation of nano-coating made from noble metals covered ceramic implants in alive organism and environment of artificial cultivated tissue
MEB051021	doc. Ing. Jan Valíček, PhD.	VŠB Ostrava	Measurement and analysis of surfaces topography created by progressive technologies and cold rolling sheet from point of view of classical materials and nanomaterials and their mechanism of establishment
MEB051023	Petr Hlubina, Associate Professor	VŠB Ostrava	Nonlinear highly birefringent photonic crystal fibers
MEB051024	Doc. Mgr. Roman Jašek, PhD.	UTB Zlín	Information logistics of transport, production and storing systems
MEB051025	Vítězslav Stýskala, doc., ing., PhD.	VŠB Ostrava	Analysis and determination of efficiency of electrical drives and their components
MEB051027	Ing. Zbyšek Pavlík, PhD.	ČVUT Praha	Assessment of porous structure effect on water phase changes
MEB051028	ing. Eva Vejmelková, PhD.	ČVUT Praha	Properties of SCC containing granulated blast furnace slag after high temperature exposure
MEB051029	Prof. Ing. Jiří Lettl, CSc.	ČVUT Praha	Minimalization of the parasitic torque in the huge power electrical drives
MEB051031	doc. ing. Martin Dlouhý, PhD., MSc.	VŠE Praha	Modeling and simulation of complexes of operations in the logistic systems
MEB051033	Vít Bršlica, Associate Professor	Univerzita obrany Brno	Improvement of design methods of synchronous generators with permanent magnets used in renewable source of energy
MEB051041	Prof. Ing. Ivo Doležel, CSc.	ZČU Plzeň	Heat treatment of solid and liquid metals by electromagnetic field and advanced methods of its numerical simulation

## VVI

MEB051006	Jindřich Zapletal	Matematický ústav	Set theory and its applications
MEB051010	Petr Toman, PhD.	Ústav makromolekulární	Conductive properties of discotic liquid crystalline materials doped by photochromic additives
MEB051015	Ing. Dominik Legut, PhD.	Ústav fyziky	Ab initio study of one-dimensional magnets
MEB051026	RNDr. Tomáš Vaněk, CSc.	Ústav experimentální botaniky AV ČR	Evaluation of suitability of various plant-based platforms for the production of target compounds
MEB051037	RNDr. Jaroslava Ovesná, CSc.	Výzkumný ústav rostlinné výroby	Food and feed safety: detection of biological contaminants
MEB051040	Dr. Petr Ježek, PhD., DSc.	Fyziologický ústav AV ČR	Intermembrane space electron donors and acceptors for cytochrome c in mitochondrial redox signaling upon hypoxia

