

**PROGRAM IDEI_PROIECTE DE CERCETARE EXPLORATORIE_COMPETITIA 2012
STIINTE INGINERESTI**

Nr. Crt.	COD PROIECT	NUME DIRECTOR	PRENUME DIRECTOR	INSTITUTIE	TITLU	BUGET APROBAT 2014
1	PN-II-ID-PCE-2012-4-0023	Munteanu	Ligia	Institutul de Mecanica Solidelor al Academiei Romane	Locally Resonant Sonic Composites with Applications to Mechanics	204,440
2	PN-II-ID-PCE-2012-4-0033	BUJOREANU	Leandru-Gheorghe	Universitatea Tehnica "Gheorghe Asachi" din Iasi	Novel method for improving shape memory properties by atomic migration controlling	375,318
3	PN-II-ID-PCE-2012-4-0104	Utu	Ion-Drăgost	Universitatea Politehnica din Timisoara	Improvement of the titanium wear resistance by electron beam remelting of the pre-deposited thermal sprayed coatings	313,228
4	PN-II-ID-PCE-2012-4-0239	Buiu	Catalin	Universitatea Politehnica din Bucuresti	Bioinspired techniques for robotic swarms security	317,068
5	PN-II-ID-PCE-2012-4-0245	Balan	Corneliu	Universitatea Politehnica din Bucuresti	Rheometry of complex fluids in presence of patterned surfaces	237,264
6	PN-II-ID-PCE-2012-4-0292	Gyorgy	Eniko	Institutul National de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Processing and immobilization by laser techniques of carbon based nanocomposite materials for high performance optoelectronic devices	337,478
7	PN-II-ID-PCE-2012-4-0370	BENEA	Lidia	Universitatea "Dunarea de Jos" din Galati	New hybrid (inorganic-organic) functionalization of biomaterials (metals alloys) surfaces with functional molecules by electrochemical techniques	252,603
8	PN-II-ID-PCE-2012-4-0437	SAVIN (Grimberg)	ADRIANA (Raimond)	Institutul National de Cercetare Dezvoltare pentru Fizica Tehnica-IFT Iasi	Metallic strip gratings in sub-wavelength regime: application to electromagnetic non-destructive evaluation and sensors design	275,338
9	PN-II-ID-PCE-2012-4-0632	Chicinas	Ionel	Universitatea Tehnica din Cluj-Napoca	Soft magnetic nanocrystalline/nanostructured powders and compacts obtained by mechanosynthesis and spark plasma sintering	187,103
10	PN-II-ID-PCE-2012-4-0634	SUSAN-RESIGA	Romeo Florin	Universitatea Politehnica din Timisoara	Self-induced instabilities of the swirling flow in hydraulic turbines far from the best efficiency regime	255,382
11	PN-II-ID-PCE-2012-4-0654	Banciu	Marian Gabriel	INSTITUTUL NATIONAL DE CERCETARE - DEZVOLTARE PENTRU FIZICA MATERIALELOR BUCURESTI RA	Investigations on advanced dielectric materials and structures in Terahertz and millimeter waves	265,334