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**Axa prioritară:** „Educația și formarea profesională în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere”

**Domeniul major de intervenție:** 1.5 „Programe doctorale și postdoctorale în sprijinul cercetării”

**Titlul proiectului:** “Creșterea atractivității și performanței programelor de formare doctorală și postdoctorală pentru cercetători în științe inginerești - **ATTRACTING**”

**Cod Contract:** POSDRU/159/1.5/S/137070

**Beneficiar:** Universitatea Politehnică Timișoara

15.02.2016

**LISTA LUCRĂRILOR COMUNICATE LA CONFERINȚE INTERNAȚIONALE ÎN DOMENIU  
DE CĂTRE MEMBRII GRUPULUI ȚINTĂ CERCETĂTORI POST-DOCTORAT  
DE LA SOLICITANT (Universitatea POLITEHNICA Timisoara)**

1	022001_01_Anton_1_B_2015_3	A. ANTON, S. MUNTEAN, <i>A method for data handling numerical results in parallel OpenFOAM simulations</i> , 11th International Conference on Computational Methods in Sciences and Engineering, Athens, 2015
2	022002_020_02_Babuta_01_B_14_11	R. BABUȚA, a.o., <i>BaFe<sub>12</sub>O<sub>19</sub> formation by citrate method</i> , 2nd ICCE 2014, Iasi, 2014
3	022003_020_02_Babuta_02_B_15_06	R. BABUȚA, a.o., <i>Synthesis, characterization and potential application of poly(styrene)-co-divinylbenzene copolymers functionalized with carboxylic acid as adsorbents for the removal of some phenolic compounds from synthetic wastewater</i> , International symposium - New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, Timișoara, 2015
4	022004_020_02_Babuta_04_B_15_09	R. BABUȚA, a.o., <i>p-nitrophenol adsorption on polystyrene-co-divinylbenzene functionalized copolymers</i> , 21st ISAEP 2015, Szeged, 2015
5	022005_03_Baciu_1_B_2014_10	A. BACIU, a.o., <i>Effect of electrochemical decoration of silver nanoparticles on arsenic detection performance</i> , The 15th TNT2014, Barcelona, 2014
6	022006_03_Baciu_4_B_2015_09	A. BACIU, a.o., <i>Simultaneous voltammetric detection of ammonium and nitrite from groundwater at silver-electrodecorated carbon nanotube electrode</i> , 8th ICEEM 08, Iasi, 2015
7	022007_03_Baciu_5_AB_2015_09	M ARDELEAN, F. MANEA, A. BACIU, a.o., <i>Voltammetric detection of drugs considered as emerging pollutant in water at carbon nanofiber composite electrode</i> , 21st International symposium on



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		analytical and environmental problems, Szeged, 2015
8	022008_04_Banica_7_AB_2014_1	R. BANICA, a.o., <i>Hydrothermal synthesis of ZnIn<sub>2</sub>S<sub>4</sub> microspheres under controlled pressure</i> , 6th NANOCON 2014, Brno, 2014
9	022009_04_Banica_10_B_2014_1	R. BANICA, a.o., <i>Pressure and pH influence upon hydrothermally obtained ZnIn<sub>2</sub>S<sub>4</sub> compound</i> , TIM14 - Physics Conference – Physics without frontiers, Timisoara, 2014
10	022010_04_Banica_8_B_2015_3	R. BANICA, a.o., <i>Study of copper diffusion under solvothermal conditions in In<sub>2</sub>S<sub>3</sub> layers synthesized by spray pyrolysis</i> , 9th BRAMAT 2015, Brasov, 2015
11	022011_04_Banica_9_B_2015_3	D. URSU, R. BANICA, a.o., <i>In situ variable temperature X-ray diffraction studies on Fe doped CuGaO<sub>2</sub> with applications in P-type dye sensitized solar cell</i> , 9th BRAMAT 2015, Brasov, 2015
12	022012_04_Banica_11_B_2015_3	M.L. KISS, M. CHIRITA, R. BANICA, a.o., <i>Obtaining of nanostructured <math>\alpha</math> - Fe<sub>2</sub>O<sub>3</sub> submillimeter rhombohedrons with high crystallinity and high specific surface area</i> , 9th BRAMAT 2015, Brasov, 2015
13	022013_05_Barbulescu_3_B_2014_07	C. BARBULESCU, a.o., <i>Artificial intelligence techniques for optimal power flow</i> , 49th UPEC 2014, Cluj-Napoca, 2014
14	022014_05_Barbulescu_5_AB_2014_09	C. BARBULESCU, a.o., <i>Technical losses evaluation. dobrogea distribution network case study</i> , 49th UPEC 2014, Cluj-Napoca, 2014
15	022015_05_Barbulescu_7_AB_2014_10_v1	S. KILYENI, C. BARBULESCU, A. SIMO, a.o., <i>GA based distribution network expansion. part 1. mathematical model</i> , ICATE2014, Craiova, 2014
16	022016_05_Barbulescu_8_AB_2014_10_v1	S. KILYENI, C. BARBULESCU, C. OROS, A. DEACU, <i>GA based distribution network expansion. Part 2. Case study: IEEE-30 Test System</i> , ICATE2014, Craiova, 2014
17	022017_05_Barbulescu_9_AB_2015_08	C. BARBULESCU, S. KILYENI, A. SIMO, a.o., <i>Photovoltaic power plants influence on distribution network expansion planning</i> , 10th SACI 2015, Timisoara, 2015
18	022018_05_Barbulescu_10_AB_2015_06	C. BARBULESCU, S. KILYENI, A. SIMO, C. OROS, <i>Distribution network expansion planning. real distribution network case study</i> , IEEE International 15th conference on environment and electrical engineering, power Tech, Rome, 2015
19	022019_05_Barbulescu_11_AB_2015_06	C. BARBULESCU, S. KILYENI, A. SIMO, a.o., <i>Distribution system expansion planning with renewable sources. case study: IEEE 33 test system</i> ,



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		IEEE International Conference PowerTech 2015, Eindhoven, 2015
20	022020_020_06_Biro_1_B_14_10	F. PETER, C. PAUL, E. BIRÓ, A. TODEA, <i>Enzyme immobilization, a possible way toward industrial biocatalysts</i> , XXXIII-rd Romanian chemistry conference, Căciulata, 2014
21	022021_020_06_Biro_2_B_15_09	F. PETER, C. PAUL, E. BIRO, P. BORZA, A. TODEA, <i>Enhancing activity and selectivity of biocatalysts by tailored sol-gel entrapment</i> , Sol-Gel 2015 XVIII International Sol-Gel Conference, Kyoto, 2015
22	022022_020_06_Biro_3_B_15_09	E. BIRO, A. TODEA, a.o., <i>Oligosaccharides synthesis by immobilized Beta-galactosidases in a batch process</i> , ECCE10 + ECAB3 + EPIC5, Nice, 2015
23	022023_07_Bistriian_1_AB_2014_9	D. A. BISTRIAN, <i>Reconstruction of perturbed pressure field in a hydraulic turbine by reduced order modeling techniques</i> , ICNAAM 2015, Rhodes, 2015
24	022024_07_Bistriian_5_AB_2015_9	D. A. BISTRIAN, R. SUSAN-RESIGA, <i>Efficient proper orthogonal decomposition for parameter dependent problems with applications to hydraulic turbines</i> , ICNAAM 2015, Rhodes, 2015
25	022025_08_Bogdan_1_AB_2014_9	C. S. NES, A. ENKELHARDT, L. BOGDAN, a.o., <i>Fatigue life assessment of self-expandable NiTi stent</i> , 13th International conference on FDM, Ponta Delgado, Azores, 2014
26	022026_08_Bogdan_5_AB_2015_09	C. S. NES, A. L. BOGDAN, a.o., <i>Experimental tensile tests on bone cement: effect of test sample shape</i> , 14th International conference on FDM, Budva, 2015
27	022027_09_Ciocan_1_B_2014_7	R. SUSAN-RESIGA, S. MUNTEAN, T. CIOCAN, C. IGHISAN, <i>Surrogate runner model for draft tube losses computation within a range of turbine discharge. Part I: model development</i> , International Workshop GRoWTH 10, Stuttgart, 2014
28	022028_09_Ciocan_2_B_2014_7	C. IGHISAN, ..., T. CIOCAN, <i>Surrogate runner model for draft tube losses computation within a range of turbine discharge. Part II: GAMM turbine example</i> , International Workshop GRoWTH 10, Stuttgart, 2014
29	022029_09_Ciocan_3_AB_2014_11	R. SUSAN-RESIGA, C. IGHISAN, ..., T. CIOCAN, <i>Progress on the optimization of Francis runner outlet for best performance of the draft tube within a wide operating range</i> , 18th International Seminar on hydropower plants - innovation and development needs for a sustainable growth of hydropower, Vienna, 2014,
30	022030_09_Ciocan_5_B_2015_3	C. TĂNASĂ, ..., Tiberiu CIOCAN, <i>Numerical assessment of a novel concept for mitigating the</i>



		<i>unsteady pressure pulsations associated to decelerating swirling flow with precessing helical vortex</i> , 11th ICCMSE, Athens, 2015
31	022031_09_Ciocan_7_AB_2015_9	C. TĂNASĂ, ..., Tiberiu CIOCAN, <i>Numerical Assessment of A New Passive Control Method for Mitigating the Precessing Helical Vortex in a Conical Diffuser</i> , CMFF'15, Budapest, 2015
32	022032_10_Crisan_1_AB_2014_09	A. CRISAN, D. DUBINA, <i>Bending-shear interaction in RBS short coupling beams</i> , EuroSteel 2014, Napoli, 2014
33	022033_10_Crisan_2_AB_2014_10	A. CRISAN, D. DUBINA, a.o., <i>Considerations on the design of hyperbaric chambers</i> , ICTWS2014, Busan, 2014
34	022034_10_Crisan_3_AB_2014_10	M. NEDELICU, A. CRISAN, a.o., <i>Analysis of storage rack members by using GBT and Shell FEA</i> , ICTWS2014, Busan, 2014
35	022035_10_Crisan_4_AB_2014_10	A. CRISAN, a.o., <i>Calibration of design formula for buckling strength of built-up back-to-back cold-formed steel members in compression</i> , ICTWS2014, Busan, 2014
36	022036_10_Crisan_5_AB_2015_05_IASI	A. CRISAN, <i>Material calibration for static cyclic analyses</i> , "Computational Civil Engineering 2015", International symposium, Iasi, 2015
37	022037_10_Crisan_5_AB_2015_07	A. CRISAN, a.o., <i>Numerical Simulation of pallet rack systems failure under seismic actions</i> , 8th International conference on behavior of steel structures in seismic areas, Shanghai, 2015
38	022038_10_Crisan_5_AB_2015_07_ICASS	D. DUBINA, A. CRISAN, a.o., <i>Elastic-plastic bending-shear interaction in reduced beam section short coupling beams</i> , 8th International conference on advances in steel structures, Lisbon, 2015
39	022039_11_Dogariu_1_B_2015_5	A. DOGARIU, <i>Numerical analysis of a steel wire mesh seismic retrofitting techniques for masonry structures</i> , "Computational Civil Engineering 2015", International symposium, Iasi, 2015
40	022040_11_Dogariu_2_AB_2015_7	M. POPOV, A. DOGARIU, a.o., <i>Seismic behaviour of two steel solutions for apartment extensions in case of large prefabricated reinforced concrete collective dwellings</i> , STESSA'15, Sanghai, 2015
41	022041_12_Dragulescu_1_AB_14_10	S. VERT, B. DRAGULESCU, R. VASIU, <i>LOD4AR Exploring linked open data with a mobile augmented reality Web application</i> , 13 - ISWC 2014, Riva del garda, Trentino, 2014
42	022042_12_Dragulescu_4_AB_15_10	B. DRAGULESCU, a.o., <i>CVLA: Integrating multiple analytics techniques in a custom moodle report</i> ,



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		ICIST2015, Kaaunas, 2015
43	022043_020_13_Filip-Vacarescu_1_B_15_6	N. FILIP-VACARESCU, a.o., <i>Evaluation of dissipative effectiveness of a hybrid system composed by a buckling restrained brace with a magneto rheological damper</i> , STESSA2015 - 8th International Conference on Behavior of Steel Structures in Seismic Areas, Shanghai, 2015
44	022044_14_Hulka_01_AB_14_06	I HULKA, a.o., <i>Wear and corrosion behavior of HVOF sprayed WC-10Ni and WC-20Cr3C2-6Ni coatings</i> , 28th International Conference on Surface Modification Technologies, Tampere, 2014
45	022045_14_Hulka_04_B_15_10	I HULKA, a.o., <i>Wear resistance of laser cladding NiCrFeSiB self-fluxing composite coatings</i> , The 6th International Conference on Advanced Materials and Structures - AMS '15, Timisoara, 2015
46	022046_15_Iacob_1_B_15_6	A IACOB, a.o., <i>Electrocatalytic hydrogen evolution reaction on platinum nanoparticles nickel activated electrodes</i> , Fifth RSE- SEE, Pravets, 2015
47	022047_15_Iacob_3_B_15_7	A IACOB, a.o., <i>Voltammetric/amperometric detection of salicylic acid in water at carbon nanotubes-epoxy composite electrode</i> , 3rd International conference on water and society, A Coruna, 2015
48	022048_16_Jakab_1_B_15_6	Á. JAKAB, a.o., <i>N,N-Dimethylaniline as proton vector for cathodic hydrogen evolution reaction</i> , New trends and strategies in the chemistry of advanced materials with relevance in biological systems, Timisoara, 2015
49	022049_16_Jakab_2_B_15_6	Á. JAKAB, a.o., <i>Cathodic hydrogen evolution reaction on copper in sulphuric acid catalyzed by proton vectors</i> Fifth RSE- SEE, Pravets, 2015
50	022050_16_Jakab_4_B_15_9	Á. JAKAB, a.o., <i>Corrosion studies of copper electrodes in acidic medium in the presence of N,N-Dimethylaniline</i> , 21st International symposium on analytical and environmental problems, Szeged, 2015
51	022051_16_Jakab_6_B_15_11	Á. JAKAB, a.o., <i>Corrosion behavior of copper electrodes in acidic medium in the presence of N,N-Dimethylaniline</i> , Risk factors for environment and food safety&Natural resources and sustainable development, 2015, Oradea
52	022052_17_Kovaci_2_AB_14_11	M. KOVACI, H. BALTA, <i>Turbo codes performance on rice flat fading environment</i> , ISETC-2014, Timisoara, 2014
53	022053_17_Kovaci_2_AB_14_11	D. IONESCU, M. KOVACI, <i>Performances of the planar ferrite phase shifters based on microwave garnets</i> , ISETC-2014, Timisoara, 2014
54	022054_17_Kovaci_2_AB_14_11	D. IONESCU, M. KOVACI, <i>Waveguide digital phase</i>





		<i>shifters filled with TT1 to TT86 ferrites for UHF and SHF radio bands - parameter optimizations, ISETC-2014, Timisoara, 2014</i>
55	022055_17_Kovaci_2_AB_15_07	R. LUCACIU, M. KOVACI, a.o., <i>On the Turbo coded bits allocation mode for the 64-QAM square modulation, 38th International Conference on TSP 2015, Prague, 2015</i>
56	022056_17_Kovaci_1_AB_15_8	R. LUCACIU, M. KOVACI, a.o., <i>On the binary allocation of modulator symbol in the case of Turbo coded 32-QAM rectangular modulation, 20th International Conference on Methods and Models in Automation and Robotics (MMAR), 2015</i>
57	022057_17_Kovaci_1_AB_15_8	A VESA, M. KOVACI, a.o., <i>Memory 4 triple-binary Turbo codes of rate 0.6, 20th International Conference MMAR, Międzyzdroje, 2015</i>
58	022058_18_Kun_4_AB_15_5	K. N. KUN, a.o., <i>Mapping the Mechanical properties of cancellous bone from the femoral head (conference paper), XIII-th International Symposium „Acoustics &amp; vibration of mechanical structures”, Timișoara, 2015</i>
59	022059_19_Lihu_2_AB_15_5	A. LIHU; Ș. HOLBAN, <i>The Influence of the background model on DNA motif prediction: an assessment for zinc finger transcription factor ZFX, SACI 2015, Timișoara, 2015</i>
60	022060_20_Linul_3_B_15_6	E. LINUL, a.o., <i>Failure mechanisms of sandwich beams with stainless steel mesh faces and aluminum foam core under static and dynamic loading conditions, ICCS 18, Lisbon, 2015</i>
61	022061_20_Linul_2_B_14_10	L. MARSAVINA, E. LINUL, a.o., <i>Experimental investigations and numerical simulations of notch effect in cellular plastic materials, 3rd International conference on competitive materials and technology processes, Miskolc-Lillafüred, 2014</i>
62	022062_21_Locovei_1_B_15_7	A. RADUTA, ..., C. LOCOVEI, a.o., <i>Bulk glassy composites obtained upon complete replacement of Ni with Ga in TiZrHfCuNiSiSn metallic glass, 2nd International symposium on metastable, amorphous and nanostructured materials, Maison de la MutualitéParis, 2015</i>
63	022063_21_Locovei_3_B_15_10	M. NICOARA, ..., C. LOCOVEI, a.o., <i>Amorphous Ti-based alloys for biomedical biocompatible applications without additions of Cu and Ni fabricated by mean of ultra-rapid solidification, 6th International Conference on - AMS '15, Timisoara, 2015</i>
64	022064_22_Neagu_1_AB_2014_9	C. NEAGU, a.o., <i>Numerical calibration of steel plate shear wall system, EuroSteel 2014, Naples, 2014</i>



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65	022065_22_Neagu_2_AB_2015_7	C. NEAGU, a.o., <i>Seismic performance of dual frames with steel panels</i> , STESSA2015, Shanghai, 2015
66 *	022066_22_Neagu_1_B_2015_7	C. NEAGU, a.o., <i>Parametric investigation for seismic response of dual frames with steel panels</i> , ICASS 2015, Lisbon, 2015
67	022067_23_Oanca__1_AB_2014_05	C. GHERA., ..., O. V. OANCA, <i>Reduction of cavitation erosion of the bronze CuAl10Ni5Fe2.5Mn1 by laser remelting treatment</i> , METAL 2014, 23rd international conference on metallurgy and materials, Brno, 2014
68	022068_23_Oanca_2_AB_2014_11	O. V. OANCA, a.o., <i>Roughness and microstructure of the AMPCO 45 complex alloyed bronze eroded through cavitation</i> , COMAT 2014, Plzen, 2014
69	022069_24_Onita_5_AB_15_10	M. ONIȚA, a.o., <i>The Value of video lectures in the classroom - UPT study case</i> , ICIST 2015; Druskininkai, Lituania, 2015
70	022070_25_Paul_1_B_14_9	C. PAUL, a.o., <i>Vinyl silane precursors system for combined sol-gel entrapment and adsorption of Candida antarctica B lipase</i> , 7th International Congress on Biocatalysis 2014, Biocat2014, Hamburg, 2014,
71	022071_25_Paul_2_B_14_10	C. PAUL, a.o., <i>Kinetic resolution of secondary alcohols by a nanoscale biocatalyst system using Pseudomonas fluorescens lipase</i> , XXXIIIrd Romanian Chemistry Conference, Calimanesti-Caciulata, 2014
72	022072_25_Paul_4_B_14_11	P.BORZA, C. PAUL, F. PÉTER, <i>Sol-gel immobilized Burkholderia cepacia lipase with vinyl silane precursors system</i> , The XVIth International Symposium "Young People and Multidisciplinary Research", Timisoara, 2014
73	022073_25_Paul_5_B_14_11	A. CIMPORESCU, A. TODEA, C. PAUL, F. PÉTER, <i>Metoprolol acylation catalysed by native and immobilized lipases</i> , The XVIth international symposium "Young people and multidisciplinary research", Timisoara, 2014
74	022074_25_Paul_6_B_15_06	C. PAUL, a.o., <i>Thermal stability of immobilized biocatalysts by sol-gel techniques</i> , <i>Thermal stability of immobilized biocatalysts by sol-gel techniques</i> , 11th International conference on renewable resources & biorefineries, York, 2015
75	022075_25_Paul_7_B_15_06	C. PAUL, a.o., <i>Enantioselectivity of immobilized lipases toward prochiral substrates with secondary hydroxyl groups</i> , 8th Edition "New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection", Timișoara, 2015



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76	022076_25_Paul_8_B_15_09	P. BORZA, C. PAUL, F. PÉTER, <i>Enhanced stability of new sol-gel entrapped biocatalysts in organic solvents</i> , ECAB3, Nice, 2015
77	022077_25_Paul_9_B_15_09	A. CIMPORESCU, A. TODEA, C. PAUL, F. PÉTER, <i>Lipase - mediated enantioselective kinetic resolution of 1,5 – dihydroxi – 1,2,3,4 tetrahydro – naphthalene</i> , ECAB3, Nice, 2015
78	022078_26_Radac_2_AB_14_10	M.-B. RADAC, a.o., <i>Data-driven model-free control of twin rotor aerodynamic systems: algorithms and experiments</i> , ISIC-2014, Antibes, 2014
79	022079_26_Radac_3_B_15_03	M.-B. RADAC, a.o., <i>Optimal motion prediction using a primitive-based model-free iterative control approach for crane systems</i> , ICIT-2015, Sevilla, 2015
80	022080_27_Robu_3_AB_2015_7	R ROBU, a.o., <i>A study on Ant Miner parameters</i> , The 6th International Conference on Information, Intelligence, Systems and Applications, Corfu, 2015, Corfu
81	022081_28_Stolojescu_1_AB_14_11	C. STOLOJESCU-CRISAN, A. ISAR, <i>The improvement of the robust exemplar-based inpainting algorithm for SONAR images</i> , The 11th ISETC 2014, Timisoara, 2014
82	022082_28_Stolojescu_2_AB_15_4	C. STOLOJESCU-CRISAN, <i>A Hyperanalytic wavelet based denoising technique for ultrasound images</i> , 3rd IWBBIO, Granada, 2015
83	022083_28_Stolojescu_4_AB_15_7	C. STOLOJESCU-CRISAN, <i>A sonar images conditioning system in the wavelets domain</i> , 38th International Conference TSP 2015, Prague, 2015
84	022084_28_Stolojescu_5_AB_15_7	C. STOLOJESCU-CRISAN, A ISAR, <i>Images compressive sensing reconstruction by inpainting</i> , 12th, ISSCS 2015, Iasi, 2015
85	022085_020_29_Serban_2_AB_2015_06	D.-A. ȘERBAN, a.o., <i>Finite element modelling of the progressive damage and failure of thermoplastic polymers in puncture impact</i> , IGFXIII, Favignana, Italia, 2015
86	022086_020_29_Serban_6_B_2015_06	D.-A. ȘERBAN, a.o., <i>Development of parametric Kelvin structures will closed cells</i> , Int. conf. AMS15, Timișoara, 2015
87	022087_30_Stefan_2_AB_15_9	O. STEFAN, A. CODREAN, T.-L. DRAGOMIR, <i>Observer-based delay compensation for networked control systems – analysis and synthesis</i> , ICAC'15, Glasgow, 2015
88	022088_31_Stefanescu_1_B_14_8_2	M. STEFANESCU, ..., O. STEFANESCU, <i>Preparation and characterization of Co<sub>1-x</sub>Zn<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub> starting from Co(II), Zn(II) and Fe(III) carboxylate precursors</i> , ESTAC11, Espoo, Finland, 2014





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\* Lucrări aflate în regimul „in press”.

\*\* Lucrări aflate în regimul „in process (under review)”.

\*\*\* Lucrarea cu cel mai mare factor de impact din proiectul ID 137070 Atracting: IF = 9,617

Un număr de 12 lucrări nu au fost validate întrucât nu au îndeplinit toate cerințele stabilite prin contractele de sprijin financiar.

**Prof. dr. ing. Toma-Leonida DRAGOMIR**

**Manager proiect**