

Raport de cercetare pe 2010

1) Lucrări în jurnale cotate ISI

1. A. Defant, **D. Popa**, U. Schwarting - Coordinatewise multiple summing operators in Banach spaces, Journal of Functional Analysis (J. Funct. Anal.) 259, No. 1, 220-242 (2010). FI: 1,247.
2. **D. Popa** - Multilinear variants of Pietsch's composition theorem, Journal of Mathematical Analysis and Applications 370 (2), 15 October 2010, p. 415-430. FI 1.225.
3. **D. Popa** - Averages and compact, absolutely summing and nuclear operators on $C(\Omega)$, J. Korean Math. Soc., 47, No. 5, 899-924, 2010. FI: 0,374.
4. **D. Popa**, Multilinear variants of Maurey and Pietsch theorems and applications, Journal of Mathematical Analysis and Applications, vol. 368, issue 1, 2010, 157-168, IF 1.225.
5. **Popa C.** - Extended and Constrained Diagonal Weighting Algorithm with application to inverse problems in image reconstruction. Inverse Problems, 26 (2010) 065004 (17pp). IF: 1.900.
6. **Popa C.** - A hybrid Kaczmarz - Conjugate Gradient algorithm for image reconstruction, Mathematics and Computers in Simulation, 80 (12) (2010), pp. 2272 - 2285. IF: 0.946.
7. Juncu Gh., **Nicola A.**, **Popa C.** - Nonlinear multigrid methods for numerical solution of the unsaturated flow equation in two space dimensions, Transport in Porous Media, 83 (2010), pp.637-652. IF: 0.966.
8. **Costara, C.** - Automatic continuity for linear surjective mappings decreasing the local spectral radius at some fixed vector, Archiv der Mathematik, Volume 95, Number 6, (2010), p. 567-573. IF: 0.373
9. **Costara, C.**; D. Repovs - Spectral isometries onto algebras having a separating family of finite-dimensional irreducible representations, Journal of Mathematical Analysis and Applications, Vol. 365, Nr. 2 (2010), p. 605-608. IF: 1.225.
10. **Costara, C.**; D. Repovs, Nonlinear mappings preserving at least one eigenvalue, Studia Mathematica, Vol. 200, Nr. 1 (2010), p. 79-89. IF: 0.645.
11. **V. Ene**, O. Olteanu, N. Terai - Arithmetical rank of lexsegment edge ideals, Bull. Math. Soc. Sci. Math. Roumanie, Tome 53 (101), no.4, 2010, 315-327. IF: 0.554.
12. **V. Ene**, A. Olteanu, L. Sorrenti - Properties of lexsegment ideals, Osaka J. Math., 47, 2010, 1-21. FI: 0.414.
13. **C. Enache** - Maximum principles and symmetry results for a class of fully nonlinear elliptic PDE's. NODEA Nonlinear Differential Equations and Applications, 17 (5) (2010), 591-600. FI: 0.670.
14. C. Cranganu and **E. Bautu**, Using gene expression programming to estimate sonic log distributions based on the natural gamma ray and deep resistivity logs: A case study from the Anadarko Basin, Oklahoma , Journal of Petroleum Science and Engineering, February 2010, Volume 70, Issue 3-4, p.243-255, (2010), <http://dx.doi.org/10.1016/j.petrol.2009.11.017> IF: 1.065.
15. **A. Barbulescu** and **E. Bautu** - Mathematical models of climate evolution in Dobrudja, Theoretical and Applied Climatology, Volume 100, Issue 1-2, p.29-44, (2010), <http://dx.doi.org/10.1007/s00704-009-0160-7>. IF: 1.776.
16. I. Cristea, **M. Stefanescu** - Hypergroups and n-ary relations, Eur. J. Combinatorics, 31 (2010), 780-789. FI: 0.822.

17. A. Ostafe, **E. Pelican**, I. Shparlinski - On Pseudorandom Numbers from Multivariate Polynomial Systems. *Finite Fields and Their Applications*, 16 (5), 2010, 320-328. IF: 0.779.
18. Asimit, A., Furman, E. and **Vernic, R.** – On a Multivariate Pareto Distribution. *Insurance: Mathematics and Economics* 46, 308-316, 2010. IF: 0.960.
19. **Popovici D.M.**, Querrec R., **Bogdan C.M.**, Popovici N. - A Behavioral Perspective of Virtual Heritage Reconstruction, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 5(5): 884-891, 2010. IF: 0.373.
20. F. Ghionea, **C. Flaut** - An algorithm for optimization the Romanian railway transport network, *Metalurgia International* 11, 2010, p. 116-122. IF: 0,173.
21. P. Anghel, C. Ciobanu, **M. Stefanescu** - On idempotents in generalized rings, *Bul. Inst. Pol. Bucuresti, ser. mat-fiz*, nr. 3 , 2010, 59-68. IF: 0.

Lucrări “online first”

1. M. Sammany, **E. Pelican**, T. Harrak - Hybrid Neuro-Genetic Based Method for Solving III-Posed Inverse Problem Occurring in Synthesis of Electromagnetic Fields. *Computing J*, available online since Oct 20, 2010 (IF 2009: 1.033).
2. **Popa C.** - Iterative Solvers for Tikhonov Regularization of Dense Inverse Problems; *Intern. Journal of Computer Mathematics*, iFirst 16 August 2010; DOI:10.1080/00207160902971558.

Nota. Articolele următoare (**din lista 2009**) sunt cotate ISI-A CNCSIS

1. **C. Flaut** and **M. Stefanescu** - Some equations over generalized quaternion and octonion division algebras, *Bull. Math. Soc. Sci. Math. Roumanie* 4, 2009, p.427-439, f.i. 2009: 0,554.
2. **D. Savin**, **C. Flaut**, C. Ciobanu - Some properties of the symbol algebras, *Carpathian Journal of Mathematics*, 25(2), p. 239-245, 2009, 190 cod CNCSIS.

Jurnale recent indexate ISI

1. **D. Sburlan** - Notes on Catalytic P Systems, *Romanian Journal of Information Science and Technology*, 13, 2 (2010), pp. 207-216. (jurnal recent indexat ISI)
2. **Vernic, R.**, Dhaene, J., Sundt, B.- Inequalities for the De Pril approximation to the distribution of the number of policies with claims. *Scandinavian Actuarial Journal* no. 4, pp. 249–267, 2010. (jurnal recent indexat ISI)

2) Lucrări în jurnale internaționale cotate BDI

1. Agnew, A., **Bobe, A.**, **Boskoff, W.**, Suceava, B.- Tzitzeica Curves and Surfaces, *The Mathematica Journal* 12 (2010), 1-18.
2. **D. Savin** - Some properties of cyclotomic fields and Kummer fields, *International Journal of Mathematics and Computations*, vol.6, no. M10, 2010, pp.22-26.
3. **A. Bărbulescu** - The analysis of correlation of some ions concentration in rainwater in an urban area. *International Journal of Mathematical Models and Methods in Applied Sciences*, Issue 2, Volume 4, 2010, pp.105 – 112, ISSN: 1998-0140.
4. **A. Bărbulescu**, C. Șerban (Gherghina), C. Maftai - Statistical Analysis and Evaluation of Hurst Coefficient for Annual and Monthly Precipitation Time Series. *WSEAS Transactions on Mathematics*, Issue 10, Volume 9, October 2010, pp. 791 – 800 (ISSN 1109 - 2769).

5. C. Șerban, C. Maftai, **A. Bărbulescu** - Assessment of Evapotranspiration Using Remote Sensing Data and Grid Computing and Application. WSEAS Transactions on Computers, Issue 11, Volume 9, November 2010, pp.1245 – 1254 (ISSN 1109-2750).
6. **Bogdan C., Popovici D.M.** - “The use of Domain Ontologies for the Virtual Scenes Management”, WSEAS Transactions on Computers, Issues 8, Vol. 9, 2010, pag. 868-877, Included in ISI/SCI Web of Science and Web of Knowledge, ISSN: 1109-2750, <http://www.worldses.org/journals/computers/computers-2010.htm>.

Nota. Articolul următor **din lista 2009**, a aparut cu intarziere in 2010

D. Savin - About the Diophantine equations $(x^5 + y^5) / (x+y) = 5z^5$ and $(x^5 + y^5) / (x+y) = z^5$ in special conditions, International Journal of Applied Mathematics and Informatics, Issue 1, vol.3, 2009, pp.51-59 (Revista se afla sub evaluare la SCOPUS).

3) Lucrari B+

1. **Nicola A., Popa C.** - Kaczmarz Extended versus augmented system solution in image reconstruction, ROMAI Journal, 6 (1) (2010), pp.145 - 152.
2. **Nicola A., Popa C.** - Constrained Jacobi projection algorithms for image reconstruction, Scientific Bulletin of the Politehnica University of Timisoara seria matematica-fizica, 55 (69), Fascicola 1 (2010), pp.42 - 55.
3. **E. Petac, B. Musat** – Route Redistribution – A Case Study, Buletinul Institutului Politehnic Iasi (Universitatea ‘‘Gh. Asachi’’, Iasi), sectia electrotehnica..., cod CNCSIS 87, tomul LVI(LX), Fasc. 3/2010, pag.51-59.

4) Lucrări în proceedingsuri internaționale

Conferințe cu volume indexate ISI Conference Proceedings Citation Index

1. **Bogdan C., Popovici D. M.** - Domain Ontology-based Management of Virtual Scenes, Proceedings of the 12th WSEAS International Conference on Mathematical Methods, Computational Techniques and Intelligent Systems (MAMECTIS'10), Sousse, Tunisia, 2010.
2. **E. Zaharescu** - Ontological Library Generator for Hypermedia-Based E-Learning System, Proceedings of the 5rd International Conference On Virtual Learning, ICVL 2010 Tg. Mures, October 29-31, 2010, pag. 373-380 (ISSN 1844 - 8933), Bucharest University Press 2010.
3. **D. Savin** - On the Diophantine Equations $(x^5 + y^5) / (x+y) = 5z^5$, Proceedings of 12th WSEAS International Conference on Mathematical Methods, Computational Tehniques and Intelligent Systems, Sousse, Tunisia, May 3-6 2010, pp.139-142.
4. **A. Bărbulescu, D-C. Toncu** - Modeling Precipitation Influence on Tăbăcărie Lake Water Quality. Mathematical Methods, Computational Techniques, Intelligent Systems, 2010, pp.152-158, ISSN: 1790-2769 152, ISBN: 978-960-474-188-5.
5. **A. Bărbulescu, C. Șerban (Gherghina), C. Maftai** - Evaluation of Hurst exponent for precipitation time series. Latest Trends on Computers, 2010, pp. 590 – 595, (ISSN: 1792 – 4251, ISBN: 978-960-474-213-4).
6. C. Șerban (Gherghina), C. Maftai, **A. Bărbulescu** - Estimation of Evapotranspiration Using Remote Sensing Data and Grid Computing: A Case Study in Dobrogea, Romania. Latest Trends on Computers, 2010, pp. 596 – 601, ISSN: 1792-4251, ISBN: 978-960-474-213-4.

Proceedingsuri ale altor conferințe internaționale

7. **E. Bautu**, A. Bautu, H. Luchian - Evolving Gene Expression Programming Classifiers for Ensemble Prediction of Movements on the Stock Market, IEEE Proc. of the International Conference on Complex, Intelligent and Software Intensive Systems, (Krakow, Poland, February, 15th - 18th 2010), pp. 108-115, (2010) <http://dx.doi.org/10.1109/CISIS.2010.101>.
8. Teodorescu, S. and **Vernic, R.** – “*On composite Pareto models*”. COMPSTAT 2010 Proceedings, pag.1661-1668. (19th International Conference on Computational Statistics, Paris France, August 22-27, 2010, ISBN 978-3-7908-2603-6).
9. **D. Sburlan** - Parallel Graph Rewriting, Proc. Of The 7th BWMC, Fenix Editora, Seville, Spain, 2009, pp. 225-234.
10. **Popovici D. M., Bogdan C., Querrec R.** - „Ontology based modeling of cultural heritage systems”, Proceedings of the 10th International Conference on Development and Application Systems International Conference, Suceava, Romania, ISSN 1844-5039, pag. 376-381, 2010.
11. Duta M., Amariei C., Zaharia A., **Bogdan C., Popovici D.M., Stefanescu C.** - Virtual Reality and Augmented Technologies used in Simulation of Teeth Preparation in Fixed Prosthodontics, Proceedings of the 6th International Seminar QUALITY MANAGEMENT IN HIGHER EDUCATION – QMHE2010, Tulcea, pag. 431-434, 2010.
12. Elfving T., Nikazad T., **Popa C.** - A Class of Iterative Methods: Semi-Convergence, Stopping Rules, Inconsistency, and Constraining, in BIOMEDICAL MATHEMATICS: Promising Directions in Imaging, Therapy Planning, and Inverse Problems, Yair Censor, Ming Jiang, Ge Wang Editors, Medical Physics Publishing, Madison USA, 2010, pag. 157-184 (ISBN: 978-1-930524-48-4).
13. Petra S., **Popa C., Schnoerr C.** - Enhancing Sparsity by Constraining Strategies: Constrained SIRT versus Spectral Projected Gradient Methods, Proceedings of the 6th and 7th Workshops on Mathematical Modelling on Environmental and Life Sciences Problems, September 5-9, 2007 and October 22-25, 2008, Constanta, Romania; Editura Academiei Romane, Bucuresti, 2010, pp. 219-250.
14. Duluman T., **Popa C.** - New developments on constrained projection algorithms for image reconstruction, Proceedings of the 6th and 7th Workshops on Mathematical Modelling on Environmental and Life Sciences Problems, September 5-9, 2007 and October 22-25, 2008, Constanta, Romania; Editura Academiei Romane, Bucuresti 2010, pp.167-182.
15. Juncu Gh., **Nicola A., Popa C.** - Nonlinear iterative methods for water flow in variably saturated porous media, Proceedings of the 6th and 7th Workshops on Mathematical Modelling on Environmental and Life Sciences Problems, September 5-9, 2007 and October 22-25, 2008, Constanta, Romania; Editura Academiei Romane, Bucuresti 2010, pp.183-190.
16. Juncu Gh., **Nicola A., Popa C., Udrescu T.** - Nonlinear Multigrid Methods for Groundwater Flow Problems in Heterogeneous porous media, Proceedings of the 6th and 7th Workshops on Mathematical Modelling on Environmental and Life Sciences Problems, September 5-9, 2007 and October 22-25, 2008, Constanta, Romania; Editura Academiei Romane, Bucuresti 2010, pp.45-56.
17. **A. Leahu;** C. Lupu - Renewal processes with two-parameter exponential distribution of renewal lifetimes, Proceedings of Workshop Mathematical Modeling of environmental and life sciences problems, September 2007, Constanta, Ed. Acad. Romane, 2010, pp.51-60, ISSN 978-973-27-1903-9.
18. **A. Leahu;** C. Lupu - On the binomially mixed exponential lifetime distributions, Proceedings of Workshop Mathematical Modeling of environmental and life sciences problems, September 2008,

- Constanta, Ed. Acad. Romane, 2010, pp.191-196, ISSN 978-973-27-1903-9.
19. **Vernic, R.** – On Sarmanov’s distribution and the asymptotic ultimate ruin probability. Proceedings of the 7-th Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, Constanța, 2008, Ed. Acad. Romane, 2010, pp.273-281.
 20. Asaftei, C. and **Pelican, E.** – Simulating of hydraulic system with applications to the Nuclear Power Plant Cernavoda. Proceedings of Workshop Mathematical Modeling of environmental and life sciences problems, September 2007, Constanta, Ed. Acad. Romane, 2010, pp. 25-31.
 21. **Pelican, E.** and **Barbulescu, A.** – Forecasting rainfalls in Dobrogea area using wavelets analysis. Proceedings of Workshop Mathematical Modeling of environmental and life sciences problems, September 2008, Constanta, Ed. Acad. Romane, 2010, pp. 211-218.
 22. Juncu Gh., **Nicola A., Popa C.** - A numerical study of laminar flow past two circulating spheres in tandem, Proceedings of the XXXII-nd "Caius Iacob" National Conference on Fluid Mechanics and its Technical Applications, October 16 - 17, 2009, “Elie Carafoli" National Institute for Aerospace Research - INCAS Bucharest, Romania, 2010, pages 132-137 (ISSN 2067 - 4414).

5) Lucrări prezentate la conferințe Internaționale

1. **C. Enache** – “Bounds for the product of low eigenvalues of the Neumann Laplacian”, 13th Hiroshima Applied Mathematical Workshop (Univ. Hiroshima, Japonia), 23-24 august 2010.
<http://home.hiroshima-u.ac.jp/amath/home/823-824.pdf>
2. **E. Pelican, L. Grecu** - Comparison between some matrix Methods with Application in Pattern Recognition. Applied Linear Algebra In Honor of Hans Schneider, May 24—28, 2010, Novi Sad, Serbia.
3. Tang, Q. and **Vernic, R.** - “*The Finite-Time Ruin Probability in the Presence of Heavy-tailed Claims and Dependent Return Rates on Risky Investment*”. 6th Conference in Actuarial Science & Finance on Samos, June 3 - 6, 2010.
4. Tang, Q. and **Vernic, R.** - “*The finite time ruin probability with heavy-tailed and dependent return rates*”. 3rd International Gerber-Shiu Workshop, University of Waterloo, June 14-16 2010.
5. **Vernic, R.**, Asimit, A., Furman, E.- “*On a multivariate Pareto distribution: estimation methods*”. 14th International Congress on Insurance: Mathematics and Economics, June 17- 19, 2010, University of Toronto.
6. M. Sammany, **E. Pelican**, and H. Al- Najar - Approximating Functions of Vertical Atmospheric Temperature Profiles Retrieved from the Solutions of Fredholm First Kind Integral Equation. Eighth Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, October 21-24, 2010, Constanta, Romania.
7. **A. Leahu, C. Lupu** - Algoritmul EM pentru repartitia Exponential Binomiala. Workshop-ul Mathematical Modeling of environmental and life sciences problems, October, 2010, Constanta.
8. **C. Popa, A. Nicola, U. Ruede** - Coarse grid correction by aggregation/disaggregation with application in image reconstruction. International Congress GAMM 2010, March 22 - 26, 2010, Karlsruhe, Germany.
9. H. Koestler, **C. Popa, T. Preclik, U. Ruede** - On Kaczmarz's projection iteration as a direct solver for linear least squares problems. Applied Linear Algebra (ALA 2010) Conference, In honor of Hans Schneider, Novi Sad, Serbia, May 24-28, 2010.
10. **C. Popa** - Direct and iterative projection-based linear solvers. 7th International Conference on Applied Mathematics - ICAM 7, Baia Mare, Romania, September 01-04, 2010.

11. **Chelai, O.** - A Hierarchical Architecture for Control Systems. The 6th International Conference: Dynamical Systems and Applications-2010, Antalya–Turkey, July 10-14, 2010.
12. **D. Ibadula** - Isomorphic Forms and Their Igusa Local Zeta Function. Sixth Meeting for Young Mathematicians in Segovia: Zeta functions and exponential sums, Gorenstein and curve singularities, Segovia, Spain, February 2010.
13. **D. Ibadula** - The explicit forms of the Igusa local zeta functions of certain plane curves. Conferința internațională "Configuration Spaces: Geometry, Combinatorics and Topology", Centro di Ricerca Matematica Ennio di Giorgi, Pisa, Italy, May-June 2010; <http://www.crm.sns.it/event/121/>
14. **D. Ibadula** - On the structure of a certain space and its applications to the theory of Igusa local zeta functions. Conferința "p-adic Langlands Program", Institute for Advanced Study and Princeton University, Princeton, USA, May 2010. <http://www.math.ias.edu/schedule>
15. **A. Olteanu** - "A class of normally torsion-free ideals", International school in computational commutative algebra and algebraic geometry, Messina, Italia: 18-23 Octombrie 2010.
16. **A. Alexandrescu** – "The Automate Generation of the Database Starting from a Conceptual Model", 2nd International Conference "Science and Technology in the Context of Sustainable Development", Ploiesti, Noiembrie 4 – 5, 2010.

Naționale

1. **Ene, V.** – "Groebner bases of toric ideals". A 18-a Școala Națională de Algebră, București, 20-25 sept. 2010.
2. **D. Ibadula** - An improved result for the real poles of the Igusa local zeta functions for curves. The 18th National School on Algebra, Combinatorics in Commutative Algebra, "Simion Stoilow" Institute of Mathematics of the Romanian Academy, Bucharest, September 2010;
3. **D. Ibadula** - An improved result for the real poles of the Igusa local zeta functions for curves. Special Session on Commutative Algebra, "Ovidius University", Constanta, Romania, September 2010.
4. **Vernic, R.** - "*On estimating the parameters of a bivariate Pareto distribution by the EM algorithm*". A 13-a Conferința SPSR, 16 aprilie, UTCB, București 2010.
5. **Vernic, R.** - "*Portfolio Optimization in the Presence of Pareto-like Claims and Dependent Return Rates on Investment*". Romanian-American Workshop "Applications in Statistics", May 13, 2010, ISMMA, Bucharest.
6. **A. Olteanu** - "A class of normally torsion-free monomial ideals", A 18-a Școala Națională de Algebră, București, 20-25 sept. 2010.

6) Cărți

În edituri internaționale

1. **A. Bărbulescu**, C. Maftai, **E. Băutu** - Modeling the hydro-meteorological time series. Applications to Dobruđa region, 2010, Lambert Academic Publishing GmbH & Co. KG, Germany, 2010, ISBN 978 – 3 – 8433 – 6578 – 9. 136 pg.
2. **A. Bărbulescu** - Editor asociat: Mathematical Methods, Computational Techniques, Intelligent Systems, WSEAS Press, 2010, ISSN: 1790-2769 152, ISBN: 978-960-474-188-5.
3. **A. Olteanu** - Classes of monomial ideals: Algebraic and homological invariants, Lambert Academic Publishing, Germany, 2010, ISBN 978-3-8383-5563-4.

În edituri naționale

1. **C. Flaut**- Algebră liniară, geometrie analitică și diferențială-Caiet de Studiu Individual, Ovidius University Press, 2010, 120 pag.
2. Serbanati L. D., **Bogdan C. M.** - Programare orientată spre obiecte cu exemplificări în limbajul Java, volumul I, Editura Politehnica Press, ISBN 978-606-515-109-3, 2010, 249 pag.
3. **Bogdan C. M.**, Serbanati L. D. - Programare orientată spre obiecte cu exemplificări în limbajul Java, volumul II, Editura Politehnica Press, ISBN 978-606-515-109-3, 2010, 363 pag.
4. **Sburlan D.** - Membrane Computing Insights. Permitting and Forbidding Contexts. Ovidius University Press, 2010, 204p.

Capitole din cărți

1. **Bogdan C.**, Serbanati L.D. - „Concern-Oriented and Ontology Based Analysis of Information Systems”, „Information Systems: People, Organizations, Institutions, and Technologies” book, The Italian Association for Information Systems, A. D'Atri and D. Saccà Eds., XX, 416 p. 59 illus., Hardcover ISBN: 978-3-7908-2149-9, Physica-Verlag HD, 2010, pag. 245-253, URL: <http://www.springer.com/business+%26+management/business+information+systems/book/978-3-7908-2147-5>; <http://www.springerlink.com/content/p032114hu84605g0>
2. R. Ceterchi, **D. Sburlan** - Membrane Computing and Computer Science, Chapter 22, The Oxford Handbook of Membrane Computing, Oxford University Press, 2010.
3. M. Cavaliere, **D. Sburlan** - Other Developments, Chapter 23.2 in The Oxford Handbook of Membrane Computing, Oxford University Press, 2010.

7) Alte lucrări

1. **L. Homentcovshi, D. Savin** - A IV-a editie a Concursului Facultatii de Matematica si Informatica a Universitatii Ovidius din Constanta. Gazeta Matematica B, nr.1/2010, p.17-23.

8) Prelegeri prezentate în străinătate

1. **C. Enache** – ”Some fully nonlinear elliptic boundary value problems with ellipsoidal free boundaries”, Seminarul Stiintific al Grupo de Fisica Matematica (Univ. Lisabona, Portugalia), 19 noiembrie 2010. <http://gfm.cii.fc.ul.pt/events/seminars/20101119-enache/>
2. **D. Ibadula** - Which real candidate poles of expected order one of the Igusa local zeta function for curves are poles? Séminaire d'algèbre, topologie et géométrie, Université de Nice- Sophia Antipolis, October 2010, Nice, Franta.

Visiting professor,

- C. Popa** - March 13 - 21, 2010, at Heidelberg Collaboratory for Image Processing (HCI), Image and Pattern Analysis Group, IWR of University of Heidelberg, Germany;
- C. Popa** - November 25.10 - 05.11, 2010, at Institut fur Informatik 10 (Systemsimulation), Friedrich-Alexander-Universitaet Erlangen-Nurnberg, Germany;

9) Granturi si burse postdoctorat noi

1. **A. Olteanu** – “Aspecte omologice si combinatoriale in studiul idealelor monomiale”. CNCSIS PN-II-RU PD nr. 23/06.08.2010, cod 305; valoarea totala a contractului: 124114 lei; valoarea pe 2010: 29554 lei. Durata grant: 1.08.2010-31.07.2012.

2. **A. Olteanu** – “Metode combinatoriale si omologice in algebra comutativa”; in cadrul proiectului de Programe Postdoctorale din fonduri europene la Universitatea Ovidius “Program postdoctoral pentru formare cercetători în științe”; Contract POSDRU 89/1.5/S/58852.
3. **C. Enache** - tipul: Program postdoctoral pentru formare cercetatori in stiinte; codul: POSDRU 89/1.5/S/58852; titlul: Noi contributii in geometria spectrala a ecuatiilor fizicii matematice. Inegalitati isoperimetrice. Durata: 30 luni (oct. 2010 - apr. 2013) Suma totala / Suma pe 2010: ~ max. 32000Euro / 3000euro.
4. **C. Costara** - tip: Resurse Umane - Proiect de cercetare postdoctorala ; cod: PD 300; nr. 24/6.08.2010; titlu: Probleme de conservare de tip spectral in teoria algebrelor Banach; valoare totala: 300000 RON; 2010 - 62500 RON; 2011 - 150000 RON; 2012 - 87500 RON.
5. **D. Ibadula** - “Cercetarea științifică economică, suport al bunăstării și dezvoltării umane în context european”- Program postdoctoral pentru formare cercetatori in stiinte, in cadrul proiectului de Programe Postdoctorale din fonduri europene la Institutul de matematica "Simion Stoilow" al Academiei Romane; codul: POSDRU/89/1.5/S/62988; titlul: “Probleme actuale in studiul functiilor zeta Igusa locala si al modelelor p-adice din economie si finante”; Durata: 24 luni (1 dec.2010 - 30 noiabr 2012) <http://www.imar.ro/~purice/Inst/2010/INCE-Mat.html>

Granturi de mobilitate, participare la conferinte etc.

6. **D. Ibadula** - Erasmus Mobilty Grant (2010), European Comision, “Ovidius” University Constanta in partnership with Université de Nice- Sophia Antipolis.
7. **D. Ibadula** - Grant of Centro di Ricerca Matematica Ennio di Giorgi, Pisa, Itlay, Configuration Spaces: Geometry, Combinatorics and Topology, May-June 2010.
8. **D. Ibadula** - Grant of Institute for Advanced Study and Princeton University, p-adic Langlands Program, Princeton, USA, May 2010.
9. **D. Ibadula** - Junta de Castilla y Leon, Programa de actividad investigadora I2Singacom, Grant of Universidad de Valladolid, SINGACOM research group, YMIS10, Segovia, Spain, February 2010.
10. **C. Flaut**- International School and Conference on Operads and Universal Algebra, June 28 - July 9, 2010, Chern Institute of Mathematic, Nankai University, Tianjin, China.
11. **D. Savin** - Workshop on Computational Number Theory and Arithmetic Geometry, May 17-21, 2010, Leuven, Belgium (grant total).
12. **D. Savin** - The Fifth RISC/ SCIENCE Training School in Symbolic Computation, June 28 – July 9, 2010, Hagenberg, Austria (grant total).
13. **D. Savin** - Regulators III, July 12-22, 2010, Barcelona (grant partial).
14. **D. Savin** - Research CIMPA school on Number Theory and Algorithms, November 15-26, 2010, Bamako, Mali (grant partial).

Granturi în desfășurare

1. **A. Barbulescu** - Grant PN II IDEI 262, 2007 - 2010 – Modelarea matematică a precipitațiilor din Dobrogea – 378637 lei – director.
2. **C. Enache** - Tipul: Proiecte de cercetare pentru stimularea revenirii in tara a cercetatorilor, Codul: PN-II-RP-RU Nr. 4/3.11.2008; titlul: Inegalitati isoperimetrice pentru probleme de valori proprii in fizica matematica; durata: noi. 2008 - noi 2010; Suma totala/ Suma pe 2010: 510000RON / 142500RON.

3. **D. Sburlan** - director, tip: PNCDI-PNII-Idei, Proiecte de cercetare exploratorie, 804/2008 titlu "Limbaje formale, calculabilitate și complexitate: calcul prin pliere și aplicații (FOLD)", suma pe 2010: 75000RON.

Program POS-CCE (fonduri europene)

M. Popovici (director executiv) – „HapticMed - Haptic Interfaces in Medical Applications”, Contract Nr. 128/2.06.2010, SMIS code 12271, Proiect ID 567.

Organizare conferinte/seminarii

1. **C. Popa** - membru in Comitetul Stiintific al 7th International Conference on Applied Mathematics - ICAM 7, Baia Mare, Romania, Septembrie 01-04, 2010.
2. **D. Ibadula** - International Conference & Humboldt Kolleg "Fundamental Structures of Algebra", Constanta, Romania, April 14th-18th 2010. <http://math.univ-ovidius.ro/conference/70/>
3. **D. Ibadula** - (in collaboration with researcher dr. Anca Macinic from IMAR, Bucharest), Arrangements of Hyperplanes: 2009-2010, First and Second Semester; 2010-2011, First and Second Semester; <http://math.univ-ovidius.ro/default.aspx?cat=Seminar&subcat=CMAT&ItemID=43>
4. **C. Flaut** - Seminar Stiintific Studentesc Algebre ciclice cu diviziune si aplicatiile lor in teoria codurilor, an universitar 2010-2011.
5. **D. Savin** - Seminar Stiintific Studentesc "Curbe eliptice si L-serii", an 2010/2011.

Trimise spre publicare

1. **E. Zaharescu** - Extending Mathematical Morphology for Logarithmic Image Representation, EURASIP Journal on Advances in Signal Processing (ISSN 1687-6172), 2010, Thomson Reuters (ISI) Web of Knowledge - Science Citation Index Expanded (reviewing process).