

Facultatea de Matematica si Informatica

Raport cercetare 2013

I. Articole acceptate spre publicare in 2013 in reviste cotate ISI(link, DOI)(ordine alfabetica dupa autorii din FMI)

1. L. Barbeș, A. Bărbulescu, C. Rădulescu, C. Stihi, E. D. Chelărescu, Determination of heavy metals in leaves and bark of Populus Nigra L by atomic absorption spectrometry, *Romanian Reports on Physics*, 2014 (ISSN 1221-1451 43 822),
2. C. Costara, Surjective maps on matrices preserving the local spectral radius distance, *Linear and Multilinear Algebra*, ISI, Online first, Iulie 2013, <http://www.tandfonline.com/doi/abs/10.1080/03081087.2013.801967>
3. C. Costara, Unital invertibility-preserving linear maps into matrix spaces, *Journal of Math. Analysis and Applications*, 2013, ISI, Online first, Octombrie 2013, <http://www.sciencedirect.com/science/article/pii/S0022247X13009608>
4. E.-M. Craciun, L Barbu, Compact closed form solution of the incremental plane states in a prestressed elastic composite with an elliptical hole, *Z Angew. Math. Mech.*, ZAMM, Article first published online: 14 NOV 2013 | DOI: 10.1002/zamm.201300125.
5. E.-M. Craciun, T. Sadowski, A. Rabaea, Stress concentration in an anisotropic body with three equal collinear cracks in Mode II of fracture. I. Analytical study, *Z Angew. Math. Mech.*, ZAMM, Article first published online: 11 MAR 2013 | DOI:10.1002/zamm.201200293
6. C. Enache, Necessary conditions of solvability and isoperimetric estimates for some Monge-Ampere problems in the plane, *Proceedings of the American Mathematical Society*, IF: 0.611, AIS: 0.7235, http://www.ams.org/cgi-bin/mstrack/accepted_papers?jrnl=proc
7. Cristina Flaut, Diana Savin, Some properties of symbol algebras of degree three, accepted in IF
8. Edwin Leon Cardenal, Denis Ibadula, Dirk Segers, Poles of the Igusa local zeta function of some hybrid polynomials, *Finite Fields and Their Application*, Volume 25, January 2014, Pages 37–48; <http://www.sciencedirect.com/science/article/pii/S1071579713000853> <http://dx.doi.org/10.1016/j.ffa.2013.07.009>

9. L. Lita, E. Pelican, Customized Orthogonalization via Deflation Algorithm with Applications in Face Recognition, *Carpathian J. Of Mathematics*, 2014, ISI, "FI=0.852; articolul va aparea in 2014.

10. Censor Y., Pantelimon I., Popa C. - Family Constraining of Iterative Algorithms, accepted for publication in *Numerical Algorithms*; ISSN 1017-1398; IF - 1.042; (see also arxiv.org/abs/1306.6145)

11. Jebelean P., Popa C. - Numerical solutions to singular -Laplacian with Dirichlet boundary conditions, published online in *Numerical Algorithms*; ISSN 1017-1398; IF - 1.042; <http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s11075-013-9792-x>

12. Jebelean P., Popa C., Serban C. - Numerical extremal solutions for a mixed problem with singular Laplacian, *Nonlinear Differ. Equ. Appl.*, iFirst: DOI 10.1007/s00030-013-0247-9; ISSN: 1021-9722 (Print) 1420-9004 (Online); IF - 0.671;

13. Eugen Zaharescu, Color Image Indexing Using Mathematical Morphology, *Analele Stiintifice ale Universitatii Ovidius Constanta*, Seria Matematica, 2013, ISI, , <http://amaa-2013.wikispaces.com/file/view/Poster-Zaharescu.pdf/416517330/Poster-Zaharescu.pdf>

14. D. Savin, Some central simple algebras which split, accepted in in *An. St. Univ. Ovidius Constanta*

II. Articole publicate in 2013 in reviste cotate ISI(link, DOI) (ordine alfabetica dupa autorii din FMI)

- 1. L. Barbu**, On some estimates for a fluid surface in a short capillarytube, *APPLIED MATHEMATICS AND COMPUTATION*, 15, 219, 8192-8197, 2013, ISI
- 2. L. Barbu, C. Enache**, A maximum principle for some fully nonlinear elliptic equations with applications to Weingarten hypersurfaces, *Complex Variables and Elliptic Equations*, 12, 58, 1725-1736, 2013, ISI, IF: 0,532, AIS: 0.7929, <http://www.tandfonline.com/doi/full/10.1080/17476933.2012.712966#.Uonk3SfpzVE>
- 3. L. Barbu, C. Enache**, A maximum principle for some fully nonlinear elliptic equations with applications to minimum principle for a soap film problem in R^2 , *Zeitschrift für angewandte Mathematik und Physik*, 64, 321-328, 2013, ISI, IF: 0951, AIS: 0.5361, <http://link.springer.com/article/10.1007%2Fs00033-012-0240-x#page-1>

4. **Elena Bautu, Alina Barbulescu**, Forecasting meteorological time series using soft computing methods: an empirical study, *Appl. Math. Inf. Sci.*, 7, 4, 1297-1306, 2013, ISI, FI 0.731, <http://www.naturalspublishing.com/Article.asp?ArtcID=3132>
5. **A. Barbulescu**, L. Barbes, Mathematical models for inorganic pollutants in Constanta area, Romania, *Revista de chimie*, 64, 7, 747-753, 2013, ISI
6. **A. Barbulescu**, L. Barbes, Assessment of surface water quality Techirghiol Lake using statistical analysis, *Revista de chimie*, 64, 8, 868 - 874, 2013, ISI.
7. J. Deguenon, **A. Barbulescu**, Attachment observability of a rotating body-beam, *Analele Stiintifice ale Universitatii Ovidius Constanta*, Seria Matematica, 21(3)2013, 81-93.
8. **C. Costara**, T. Ransford, Which de Branges-Rovnyak spaces are Dirichlet spaces (and vice versa)?, *Journal of Functional Analysis*, 12, 265, 3204-3218, 2013, ISI, <http://www.sciencedirect.com/science/article/pii/S0022123613003273>
9. **C. Enache**, G.A. Philippin, Some inequalities involving eigenvalues of the Neumann Laplacian, *Mathematical Methods in the Applied Sciences*, #, 36, 2145-2153, 2013, ISI, IF: 0,743, AIS: 0.5537, <http://onlinelibrary.wiley.com/doi/10.1002/mma.2743/abstract>
10. **V. Ene**, A. A. Qureshi, A. Rauf, . Regularity of join-meet ideals of distributive lattices, *The Electronic Journal of Combinatorics*, 20, 3, P20, 2013, ISI, SRI 1.040, <http://www.combinatorics.org/ojs/index.php/eljc/article/view/v20i3p20>
11. **V. Ene**, T. Hibi, The join-meet ideal of a finite lattice, *Journal of Commutative Algebra*, 5, 2, 209-230, 2013, ISI, IF: 0.540, <http://projecteuclid.org/DPubS?service=UI&version=1.0&verb=Display&page=toc&handle=euclid.jca/1376328025>
12. **V. Ene**, A. A. Qureshi, Ideals generated by diagonal 2-minors, *Communications in Algebra*, 41, 8, 3058-3066, 2013, ISI, SRI 0.555, <http://www.tandfonline.com/doi/full/10.1080/00927872.2012.672603>
13. **V. Ene**, R. Okazaki, On the radical of multigraded modules, *Journal of Algebra*, 388, #, 10/21/2013, 2013, ISI, SRI 1.082, <http://www.sciencedirect.com/science/article/pii/S0021869313002627>
14. **V. Ene**, J. Herzog, T. Hibi, F. Mohammadi, Determinantal facet ideals, *Michigan Mathematical Journal*, 62, 39-57, 2013, ISI, SRI 1.512, <http://projecteuclid.org/DPubS?service=UI&version=1.0&verb=Display&handle=euclid.mmj/1363958240>

- 15. Cristina Flaut** and Vitalii Shpakivskyi, On Generalized Fibonacci Quaternions and Fibonacci-Narayana Quaternions, *Adv. Appl. Clifford Algebras*, 23, 3, 673-688, 2013, ISI, DOI: 10.1007/s00006-013-0388-2,
<http://link.springer.com/article/10.1007/s00006-013-0388-2>
- 16. Cristina Flaut** and Vitalii Shpakivskyi, Real matrix representations for the complex quaternions, *Adv. Appl. Clifford Algebras*, 23, 3, 657-671, 2013, ISI, DOI: 10.1007/s00006-013-0387-3,
<http://link.springer.com/article/10.1007/s00006-013-0387-3>
- 17. Cristina Flaut** and Vitalii Shpakivskyi, Some identities in algebras obtained by the Cayley–Dickson process, *Adv. Appl. Clifford Algebras*, 23, 1, 63-76, 2013, ISI, DOI: 10.1007/s00006-012-0344-6,
<http://link.springer.com/article/10.1007/s00006-012-0344-6>
- 18. Cristina Flaut**, Cyclic codes over some special rings, *Bull. Korean Math. Soc.*, 50, 5, 1513-1521, 2013, ISI, DOI: 10.4134/BKMS.2013.50.5.1513,
<http://pdf.medrang.co.kr/kms01/BKMS/50/BKMS-50-5-1513-1521.pdf>
- 19. Cristina Flaut**, Levels and sublevels of algebras obtained by the Cayley–Dickson process, *Ann. Mat. Pura Appl.*, 192, 6, 01.02.2013, 2013, ISI, DOI:10.1007/s10231-012-0260-3,
<http://link.springer.com/article/10.1007%2Fs10231-012-0260-3>
- 20. Grecu L., Popa C.**, Constrained SART algorithm for invers problems in image reconstruction, *Inverse Problems and Imaging*, 1, 7, 199-216, 2013, ISI, FI=1.138, SRI=1.764,
<http://aimsciences.org/journals/displayArticlesnew.jsp?paperID=8308>
- 21. E. Pelican, R. Vernic**, Maximum-likelihood estimation for the multivariate Sarmanov distribution: simulation study, *International J. of Computer Mathematics*, 90, -9, 1958 - 1970, 2013, ISI, FI=0.542,
<http://www.tandfonline.com/doi/abs/10.1080/00207160.2013.770148?journalCode=com20#.UonlASdsuSo>
- 22. Pantelimon I., Popa C.** - Constraining by a family of strictly nonexpansive idempotent functions with applications in image reconstruction, *B I T Numer. Math.*, 53 (2013), 527-544; ISSN 0006-3835; IF - 0.724
- 23. Dumitru Popa**, *Mixing multilinear operators with or without a linear analogue*, *Integral Equations and Operator theory*, 75, No. 3, 323-339 (2013). IF 0, 713; SRI 0.567; <http://link.springer.com/article/10.1007%2Fs00020-012-2030-4>
- 24. Dumitru Popa**, Gord Sinnamon, *Blei's inequality and coordinatewise multiple summing operators*, *Publicacions Matemàtiques*, 57, 455-475(2013). IF 0,848; SRI 0,976; DOI: 10.5565/PUBLMAT_57213 09

- 25. Dumitru Popa**, *2-summing multiplication operators*, *Studia Mathematica*, 216, No. 1, 77-96 (2013). IF 0, 549; SRI 0, 683; <http://journals.impan.gov.pl/sm/>; doi:10.4064/sm216-1-6
- 26. Dumitru Popa**, *Direct and reverse inclusions for strongly multiple summing operators*, *Proc. Indian Acad. Sci., Math. Sci.* 123, No. 3, 415-426 (2013). IF 0,191; SRI 0,222; <http://link.springer.com/article/10.1007%2Fs12044-013-0136-5>
- 27. Dumitru Popa**, *Cohen-Kwapień type theorems for multiple summing operators*, *Quaestiones Mathematicae*, 36, No. 3, 399-410 (2013). IF 0,224; SRI 0, 198; <http://www.tandfonline.com/doi/abs/10.2989/16073606.2013.779977>
- 28. Magdalena Banescu, Dumitru Popa**, *New extensions of some classical theorems in number theory*, **Journal of Number Theory**, 133, No. 2, 3771-3795(2013). IF 0,466; SRI 0, 582; <http://www.sciencedirect.com/science/article/pii/S0022314X13001637>
- 29. Ciobanu G., Sburlan D.**, *Scenario Based P Systems*, *International Journal of Unconventional Computing*, 9, 05.06.2013, 351-366, 2013, ISI, FI: 0.431, <http://www.oldcitypublishing.com/IJUC/IJUCabstracts/IJUC9.5-6abstracts/IJUCv9n5-6p351-366Ciobanu.html>
- 30. Teodorescu, S., Vernic, R.**, *On composite Pareto models*, *Mathematical Reports*, 15 (65), 1, 11/30/2013, 2013, ISI, http://www.csm.ro/reviste/Mathematical_Reports/Pdfs/2013/1/2_Teodorescu.pdf
- 31. Zbaganu, Gh., Vernic, R.**, *On the fatal shock model*, *Mathematical Reports*, 15 (65), 2, 133-144, 2013, ISI, http://www.csm.ro/reviste/Mathematical_Reports/Pdfs/2013/2/4_Zbaganu.pdf

III. Articole acceptate spre publicare in 2013 in reviste BDI)(ordine alfabetica dupa autorii din FMI)

- 1. C. Flaut**, *About some properties of algebras obtained by the Cayley-Dickson process*, accepted in the special issue of the *Palestine Journal of Mathematics* for The Proceedings of International Conference of Algebra in Honour of Patrick Smith and John Clark's 70th Birthdays, Balikesir, Turkey, 12-15 August 2013, <http://ica.balikesir.edu.tr/index.php/proceedings>

IV. Articole publicate in 2013 in reviste BDI(link)(ordine alfabetica dupa autorii din FMI);

1. **C. Flaut, D. Savin, G. Iorgulescu**, Some properties of Fibonacci and Lucas symbol elements, *Journal of Mathematical Sciences: Advances and Applications*, #, vol. 20 (2013), 37-43, 2013, Zentralblat, Mathscinet, http://scientificadvancespublishers.com/tables_contents_journal_mathematical_sciences_advances_applications.html
2. **L. Lita, E. Pelican**, Systematic and comparative experiments with some algorithms for pattern recognition, Topics in mathematical modelling of life science problems - Proceeding of the 9th Workshop on Mathematical Modeling for Environments and Life Science Problems, #, #, 27-42, 2013, #, , #
3. **C. Mancas**, A. Dicu, Architecture, Design, Development, and Usage of ODBDetective 1.0, *Information Technology & Software Engineering*, 2013, 03:01:00, 1/13/2013, 2013, CrossRef, Google Scholar, Gale, Ulrichs, ProQuest, etc., , <http://www.omicsgroup.org/journals/architecture-design-development-and-usage-of-odbdetective-2165-7866.1000119.pdf>
4. **C. Mancas**, Should Reverse Engineering Remain a Computer Science Cinderella?, *Information Technology & Software Engineering*, 2013, 01:01:00, 01.03.2013, 2013, CrossRef, Google Scholar, Gale, Ulrichs, ProQuest, etc., <http://www.omicsgroup.org/journals/should-reverse-engineering-remain-a-computer-science-cinderella-2165-7866.S5-e001.pdf>
5. **C. Mancas**, A. Dicu, ODBDetective: a metadata min-ing tool for detecting violations of some Oracle da-tabase design, implementation, querying, and manipulating best practice rules., *Seminar Series in Mathematics and Computer Science*, Ovidius University, Constanta, 2013, s14, 26-43, 2013, #, <http://math.univ-ovidius.ro/SSMCS/scanate/s14.pdf>
6. Felix G. Hamza-Lup, **Dorin M. Popovici, Crenguța M. Bogdan**, „Haptic Feedback systems in Medical Education”, JADLET Journal of Advanced Distributed Learning Technology, vol. 1, nr. 2, 2013, pag. 7-16
7. G. Ciobanu, **D. Sburlan**, Causal Sequences and Indexed Multisets, 303-308, Proc. of 14th Int. Conf. on Membrane Computing, Ed. Inst. of Mathematics and Computer Science, Acad. of Sciences of Moldova, 2013 (ISBN 978-9975-4237-2-4). http://www.math.md/cmcl4/CMC14_Proceedings.pdf
8. Asimit. A., **Vernic. R.**, Zitikis, R., Evaluating risk measures and capital allocations based on multi-losses driven by a heavy-tailed background risk: The multivariate Pareto-II model, *Risks*, 1, 1, 14-33, 2013, DOAJ, ECONIS (ZBW), EconPapers, IDEAS, RePEc, , <http://www.mdpi.com/2227-9091/1/1/14>

V. Articole acceptate spre publicare in 2013 in Proceedings-ul unor conferinte cotate ISI(link))(ordine alfabetica dupa autorii din FMI);

1. **Denis Ibadula**, Anca Daniela Macinic, Some Remarks on the Realizability Spaces of (3, 4)-nets, acceptat spre publicare, Experimental and Theoretical Methods in Algebra, Geometry and Topology – Proceedings of the International conference ETMAGT, Eforie Nord, Romania, June 26-30, 2013, Springer-Verlag, New York, Series Proceedings in Mathematics& Statistics, New York, 2014;

VI. Articole publicate in 2013 in Proceedings-ul unor conferinte cotate ISI(link);

1. Felix G. Hamza-Lup, Adrian Seitan, **Dorin M. Popovici**, **Crenguta M. Bogdan**, *Liver Pathology Simulation: Algorithm for Haptic Rendering and Force Maps for Palpation Assessment*, Proceedings of the 19th International Conference, Medicine Meets Virtual Reality (MMVR) 2013, Feb 20-23, San Diego, California, USA, IOS Press, J.D. Westwood et al. (Eds.), doi:10.3233/978-1-61499-209-7-175, pag. 175-181, 2013.
2. **Dorin-Mircea Popovici**, Felix G. Hamza-Lup, **Crenguta M. Bogdan**, *Haptic Feedback Systems in Education*, 9th International Conference eLearning and software for Education - eLSE 2013, Bucuresti, 25-26 aprilie 2013, 10.12753/2066-026X-13-082
3. **Crenguta M. Bogdan**, Gabriela Ciobanu, *Ontology-based development of a students evaluation system*, 9th International Conference eLearning and software for Education - eLSE 2013, Bucuresti, 25-26 aprilie 2013, 10.12753/2066-026X-13-036

VII. Carti/capitole din carti publicate in edituri internationale;

1. Cranganu, C., **Bautu, E.** and Breaban, M., *Intelligent Approaches in Upstream Oil and Gas Industry*, in C. Cranganu (ed.), Natural Gas and Petroleum: Production Strategies, Environmental Implications and Future Challenges, Nova Science Publishers, Inc. ISBN: 978-1-62808-535-8, p. 13 -70, https://www.novapublishers.com/catalog/product_info.php?products_id=44211&osCsid=c4ebf37c86ad99d2543933dd6f4bcf80, (2013)

VIII. Carti publicate in edituri nationale;

Denis Ibadula, *Probleme actuale in studiul functiei zeta Igusa (Current Issues in the Study of Igusa Local Zeta Function)*, Editura Expert a Institutului INCE al Academiei Romane, Bucuresti , 2013;

IX. Granturi (de tip CNCS/UEFISCDI, ERC, etc)cu durata si valoarea lor(link);

1. **Cosma(Barbu) Luminita**(Director), PN-II-RU-PRECISI-2013-7-1914, On some estimates for a fluid surface in a short capillary tube, APPL MATH COMPUT, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%201%20ACTUALIZATA%20NOU%2018%20DECEMBRIE.pdf (Lista 1, pozitia 256, **Zona Rosie**, 4.000 lei).
2. **L. Barbu**(Director), **C. Enache**(Director), PN-II-RU-PRECISI-2013-7-2140, *A maximum principle for some fully nonlinear elliptic equations with applications to minimum principle for a soap film problem in R^2* , Zeitschrift für angewandte Mathematik und Physik
http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%201%20ACTUALIZATA%20NOU%2018%20DECEMBRIE.pdf (Lista 1, pozitia 479, **Zona Galbena**, 2.000 lei).
3. **Constantin Costara** (Director), Teorie spectrala pentru operatori liniari si analiza complexa, cod PN-II-RU-TE-2012-3-0042, Proiecte de cercetare pentru stimularea constituirii de tinere echipe de cercetare independente - competitia 2012
Director proiect: Constantin Costara
Durata proiect: 1 mai 2013-30 noiembrie 2015
Sume prognozate:
2013: 100050 Ron
2014: 205850 Ron
2015: 200100 Ron.
4. **C. Costara**(Director), PN-II-RU-PRECISI-2013-7-1784, On the automorphisms of the spectral unit ball, P AM MATH SOC
http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/Lista

- [%201%20rezultate%20-%20Copy%20cu%20celule%20mergiactualizata.pdf](#) (Lista 1, Poz 126, **Zona Galbena**-2.000 lei).
5. **C. Enache**(Director), G.A. Philippin PN-II-RU-PRECISI-2013-7-4159, *Some inequalities involving eigenvalues of the Neumann Laplacian*, MATH METHOD APPL SCI, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%204%20REFACUTA%20REZULTATE.pdf (Lista 4, pozitia 2494, **Zona Galbena**-2.000 lei).
 6. **Viviana Ene**(Director), J. Herzog, T. Hibi, F. Mohammadi, PN-II-RU-PRECISI-2013-7-2090, *Determinantal Facet Ideals*, MICH MATH J, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/Lista%201%20rezultate%20-%20Copy%20cu%20celule%20mergiactualizata.pdf (Lista 1 , pozitia 429, **Zona Rosie**, 4.000 lei).
 7. **Viviana Ene**(Director), R. Okazaki, PN-II-RU-PRECISI-2013-7-2113, *On the radical of multigraded modules*, J ALGEBRA, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/Lista%201%20rezultate%20-%20Copy%20cu%20celule%20mergiactualizata.pdf (Lista 1 , pozitia 452, **Zona Galbena**, 2.000 lei).
 8. **Viviana Ene**(Director), A. A. Qureshi, A. Rauf, PN-II-RU-PRECISI-2013-7-2132, *Regularity of join-meet ideals of distributive lattices*, ELECTRON J COMB http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/Lista%201%20rezultate%20-%20Copy%20cu%20celule%20mergiactualizata.pdf (Lista 1 , pozitia 471, **Zona Galbena**, 2.000 lei).
 9. **Cristina Flaut**(Director), A new approach in theoretical and applied methods in algebra and analysis, II-ID-WE-2012-4-169, 4-6 Aprile 2013, 16.500 lei.
 10. **Cristina Flaut**(Director), PN-II-RU-PRECISI-2013-7-4123, *Levels and sublevels of algebras obtained by the Cayley–Dickson process*, ANN MAT PUR APPL, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%204%20REFACUTA%20REZULTATE.pdf (Lista 4 , pozitia 2458, **Zona Rosie**, 4.000 lei).
 11. **Denis Ibadula**, Grant of Foundation Compositio Mathematica for organization of mathematical conferences in 2013; 26-30 Iunie 2013, 5000 euros; <http://www.compositio.nl/stichting2.html>

12. **Popa D.** (Director), Gord Sinnamon, PN-II-RU-PRECISI-2013-7-4144, *Blei's inequality and coordinatewise multiple summing operators*, PUBL MAT http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%204%20REFACUTA%20REZULTATE.pdf (Lista 4, pozitia 2481, **Zona Galbena-2.000 lei**)
13. **Popa D.** (Director), PN-II-RU-PRECISI-2013-7-4148, *Mixing Multilinear Operators with or Without a Linear Analogue*, INTEGR EQUAT OPER TH , http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%204%20REFACUTA%20REZULTATE.pdf (Lista 4, pozitia 2483, **Zona Galbena-2.000 lei**)
14. **Popa D.** (Director), PN-II-RU-PRECISI-2013-7-4149, 2-summing multiplication operators, STUD MATH, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%204%20REFACUTA%20REZULTATE.pdf (Lista 4, pozitia 2484, **Zona Galbena-2.000 lei**)
15. **Dorin-Mircea Popovici** (Director Executiv) HapticMed - Interfete cu retur haptic in aplicatii medicale, ANCS POSCCE - O.2.1.2/2009, 1348140 lei, 2010-2013, <http://hapticmed.cerva.ro/>
16. **Savin Diana** (Director), Workshop on Algebraic and Analytic Number Theory and Their Applications, CNCSIS-PN-II-ID-WE-2012-4-161, 20120 ron, 23-24 mai 2013

X. Granturi de mobilitati cu durata lor(de exp:31 martie 2013-3 Aprilie 2013);

1. **M. Craciun**, Universitatea Trento, Italia, Bursa de participare oferita de Programul Comisiei Europene IAAP EU Project INTERCER 2, coordonator Prof. D. Bigoni, la lucrurile congresului CERMODEL 2013, 9-14 Iulie 2013 cu lucrarea Interface Cracks in Pre-Stressed Ceramics and Fiber Reinforced Elastic Composites;
2. **M. Craciun** , Antalya – Turcia, Bursa de participare oferita de European Commisia, Join Research Centre, Institute for Energy and Transport, la 2nd International Workshop on Physics based modelling of material properties and experimental observations; Special focus: Fracture and Damage Mechanics, 14-17 Mai 2013 cu lucrarea Mathematical Analysis of Cracks Interaction in Pre-stressed Anisotropic Materials.
3. **Denis Ibadula**, 25 august-2 septembrie 2013- Katholieke Universiteit Leuven, Belgia – Grant de mobilitate Erasmus, Universitatea Ovidius Constanta;
4. **Denis Ibadula**, 20 Mai-5 iunie 2013- **Grant of Center of Mathematics of**

University of Notre Dame, USA- International Mobility Grant of University of Notre Dame, USA, Thematic program on Motivic Invariants and Singularities at the Center of Mathematics at Notre Dame, 20 Mai-5 iunie 2013;

<http://math.nd.edu/research/centers/motivic-invariants-program-2013/>

5. **Diana Savin**, Workshop of Number Theory, Geometry and Cryptography, July 1-5, 2013, University of Warwick

XI. Premii pentru activitatea de cercetare(gen UEFISCDI-premierea rezultatelor cercetarii)(link);(a se vedea Sectiunea IX)

1. **Cosma(Barbu) Luminita**, PN-II-RU-PRECISI-2013-7-1914
2. **L. Barbu., C. Enache**, PN-II-RU-PRECISI-2013-7-2140
3. **C. Costara**, PN-II-RU-PRECISI-2013-7-1784
4. **C. Enache**, G.A. Philippin PN-II-RU-PRECISI-2013-7-4159
5. **Viviana Ene**, J. Herzog, T. Hibi, F. Mohammadi, PN-II-RU-PRECISI-2013-7-2090;
6. **Viviana Ene**, R. Okazaki, PN-II-RU-PRECISI-2013-7-2113
7. **Viviana Ene**, A. A. Qureshi, A. Rauf, PN-II-RU-PRECISI-2013-7-2132
8. **Cristina Flaut**, PN-II-RU-PRECISI-2013-7-4123
9. **Popa D.**, PN-II-RU-PRECISI-2013-7-4144
10. **Popa D.**, PN-II-RU-PRECISI-2013-7-4148
11. **Popa D.**, PN-II-RU-PRECISI-2013-7-4149

XII. Alte premii, distinctii, medalii, etc.(link)

Cristina Flaut, Diploma de Excelenta, acordata de Liceul Teoretic "Emil Botta", Adjud, Vrancea cu ocazia implinirii a 60 de ani de la infiintarea liceului.

http://www.monitorulvn.ro/articole/galerie-foto--liceul-emil-botta-din-adjud-si-a-rasplatit-sus-inatorii_2_155026.html

<http://www.ziare.com/focsani/stiri-actualitate/liceul-teoretic-emil-botta-decorat-cu-ordinul-dimitrie-gusti-4310402>

XIII. Conferinte organizate (link);

1. Science Days 1-3 Aprilie, Constanta, Organizatori: **Eugen Zaharescu, Alexandru Bobe, Cristina Flaut, Alina Nitu, Elena Pelican, Mircea Popovici, Diana Savin**

<http://sciencedays.wikispaces.com/home>

2. Workshop for Young Researchers in Mathematics, Organizatori: **C. Costara, C. Enache, D. Ibadula**, 9-10 mai 2013, FMI Constanta
<http://math.univ-ovidius.ro/Workshop/2013/WYRM/>
3. The 21st National School on Algebra, Algebraic Methods in Combinatorics, September 2-6, 2013, Bucharest, Romania, organizatori: **Viviana Ene**, Mihai Epure, Miruna Rosca, Dumitru Stamate, Marius Vladoiu, Andrei zarojanu.
<http://math.univ-ovidius.ro/sna/edition.aspx?cat=Index&itemID=7>
4. Workshop on Algebraic and Analytic Number Theory and Their Applications, Organizatori: Magdalena Bănescu (Institute of Geodynamics of the Romanian Academy, Bucharest, Romania), Nicolae Ciprian Bonciocat ("Simion Stoilow" Institute of Mathematics of the Romanian Academy, Bucharest, Romania), Irina Cristea (University of Nova Gorica, Slovenia), **Cristina Flaut** (Ovidius University, Constanta, Romania), Jordi Guàrdia (University Politècnica de Catalunya, Barcelona, Spain), **Gabriel Iorgulescu** (Ovidius University, Constanta, Romania), Ali Mouhib ("Sidi Mohamed Ben Abdellah" University of Fes, Morocco), **Diana Savin** (Universitatea „Ovidius” din Constanța), József Sándor (Babes - Bolyai University, Cluj, Romania), Doru Ștefănescu (Bucharest University, Faculty of Physics, Romania), 23-24 mai 2013, Universitatea Ovidius , workshop suportat CNCSIS prin grantul: UEFISCDI, PN-II-ID-WE-2012-4-161, (<http://math.univ-ovidius.ro/Workshop/2013/Number-Theory/>)
5. A new approach in theoretical and applied methods in algebra and analysis, Organizatori: Serban Bărcănescu, Nicolae Ciprian Bonciocat, Irina Cristea, Sorin Dăscălescu, **Cristina Flaut**, Sergiy Plaksa, **Diana Savin**, Vitalii Shpakivskyi, Doru Ștefănescu, **Eugen Zaharescu**, 4-6 aprilie 2013, Universitatea Ovidius, Constanta, PN-II-ID-WE-2012-4-169, Constanta 4-6 Aprilie 2013,
<http://math.univ-ovidius.ro/default.aspx?cat=Evenimente>
<http://amaa-2013.wikispaces.com/home>
6. creatiVE Summer School, Organizatori: **Mircea Popovici**, 25.08-08.09.2013,
<http://creative.cerva.ro/>

XIV. Participari la conferinte(altele decat cele organizate)(link)

1. **C. Costara**, participare la Joint International Meeting of the AMS and the Romanian Mathematical Society, Univ. 1 Decembrie 1918 Alba Iulia, 27-30 iunie 2013.

Titlul prezentarii: De Branges--Rovnyak spaces and Dirichlet spaces

http://imar.ro/ams-ro2013/meeting_program.pdf

2. **C. Costara**, participare la Seminarul de teoria operatorilor, IMAR, Bucuresti, Octombrie 2013

Titlul prezentarii: Probleme de conservare de tip spectral

<http://www.imar.ro/organization/activities/seminars/pags/448/ap.php>

3. **C. Enache**, participare la Joint International Meeting of the AMS and the Romanian Mathematical Society, Univ. 1 Decembrie 1918 Alba Iulia, 27-30 iunie 2013.
4. **Viviana Ene**, participare la Conferinta aniversara "Faculty of Sciences - 150 years", 29 august - 1 septembrie 2013. Bucuresti, Facultatea de Matematica si Informatica, Universitatea Bucuresti
<http://fmi.unibuc.ro/FMI-150/files/program-algebra.pdf>
5. **Viviana Ene**, participare la Joint International Meeting of the American Mathematical Society and the Romanian Mathematical Society, June 27-30, 2013, Alba Iulia, Romania
<http://imar.ro/ams-ro2013/talks.html>
6. **Denis Ibadula**, participare la 25 August – 2 September 2013, Leuven, Belgium, Katholieke University of Leuven, Belgium, Research Stay in the frame of Training Erasmus Mobilities.
7. **Denis Ibadula**, participare la 20 May-5 June 2013, Notre Dame, USA, Thematic program on Motivic Invariants and Singularities at the Center of Mathematics at Notre Dame, **Center of mathematics at University of Notre Dame, USA;**
<http://math.nd.edu/research/centers/motivic-invariants-program-2013/>
8. **Denis Ibadula**, participare la 23-24 January 2013, Bucharest, Romania, Symposium "Mathematical Models in Economy", Institute of Mathematics "Simion Stoilow" of the

Romanian Academy; <http://www.imar.ro/~purice/Inst/2013/program-simpozion-CerBun-Il.pdf>

9. **L. Lita, E. Pelican**, participare la participare cu comunicarea *Comparative Study of Some Algorithms for Face Recognition*, CAIM 19-22 septembrie 2013, Bucuresti http://www.romai.ro/conferintele_romai/caim2013_en.html
10. **Vernic, R.** participare la “*On the bivariate Sarmanov distribution with log-logistic marginals: an actuarial application*”. A 16-a Conferință SPSR, ASE București, 26 aprilie 2013. http://www.csm.ro/spsr/program/program_conf16_spsr_2013.pdf
11. Robe-Voinea, E. and **Vernic, R.** participare la “*Fast Fourier Transforms for bivariate aggregate losses. A Matlab application*”. A 16-a Conferință SPSR, ASE București, 26 aprilie 2013. http://www.csm.ro/spsr/program/program_conf16_spsr_2013.pdf
12. **Vernic, R.** and **Pelican, E.** participare la “*Parameters estimation for the bivariate Sarmanov distribution with normal marginals*”. A 21-a Conferință CAIM, Universitatea din București, 19-22 septembrie 2013, http://www.romai.ro/conferintele_romai/caim2013/list_of_participants.php
13. **A. Rusu** participare la *International Conference on Intelligent Information Systems*, August 20-23, 2013, Chisinau, Republic of Moldova <http://www.math.md/iis2013/>
http://www.math.md/iis2013/Program_IIS%202013_19.08.pdf
14. **A. Rusu** participare la *A new approach in theoretical and applied methods in algebra and analysis*, April 4-6, 2013, Constanta, Romania, <http://amaa-2013.wikispaces.com/home> <http://amaa-2013.wikispaces.com/Poster+Session>