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DARE DE SEAMĂ PE ANUL 2016

Capitole apărute în cărți

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7. **C. Enachescu, D. Enachescu**, *Iris biometrics: adaptive resonance network s for indexing and retrieving data*, Lectures Notes of ICB Seminar, Tenth International Seminar on Statistics and Clinical Practice, May 15 - 18, 2016, Warsaw, Poland, 25-31
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9. **C. Preda**, Vincent Vandewalle : *Clustering categorical functional data*, Lectures Notes of ICB Seminar, Tenth International Seminar on Statistics and Clinical Practice, May 15 - 18, 2016, Warsaw, Poland, 14-19.
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2. **Frunzulica, F**; Oncescu, C; **Dumitrache, A**; Vintea, A: *Study of the Modelling of an Electromagnetic Launcher of Fire Extinguishing Loads*, AIP Conference Proceedings, Volume: 1738, Article Number: 410009, Published: 2016. WOS:000380803300432, ISBN:978-0-7354-1392-4, ISSN: 0094-243X
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5. **U. Paun**, *A Gibbs sampler in a generalized sense*. Annals of the University of Craiova - Mathematics and Computer Science Series, (Special Issue) **43**, No 1, 62-71, 2016.
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28. Maria Moglan, Victoria Stan, Raluca Lupu-Stanescuand, **Voicu Boscaiu**, *Empathy in Alzheimer's disease patients*, Psiworld 2016 International Conference, 21-22 Oct, Bucharest, <http://www.psiworld.ro/>
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49. **A.M. Morega**, L. Pislaru-Danescu, Mihaela Morega, *Piezoelectric ultrasonic traveling wave motor*, ICATE, 2016 International Conference on Applied and Theoretical Electricity, October 6-8, Craiova, Romania, IEEE Xplore, 978-1-4673-8562-6/16/\$31.00 (c)2016 IEEE
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51. N. Tanase, **A.M. Morega**, *A permanent magnet bearing for flywheel energy storage systems numerical modeling*, ICATE, 2016 International Conference on Applied and Theoretical Electricity, October 6-8, Craiova, Romania, IEEE Xplore, 978-1-4673-8562-6/16/\$31.00 (c)2016 IEEE
52. I. Ionica, M. Modreanu, **A.M. Morega**, C. Boboc, *Tridimensional modeling for a DC, limited angle, torque motor of size 16*, EPE-2016, International Conference and Exposition on Electrical and Power Engineering, 20-22 October 2016, Iasi, Romania, (IEEE Xplore) 978-1-5090-6129-7/16/\$31.00 (c)2016
53. Jean-B. Dumitru, **Alexandru Morega**, Mihaela Morega, Lucian Pislaru-Danescu, *High frequency miniature planar transformer for energy harvesting applications*, EPE-2016, International Conference and Exposition on Electrical and Power Engineering, 20-22 October 2016, Iasi, Romania, (IEEE Xplore) 978-1-5090-6129-7/16/\$31.00 (c)2016
54. **A.M. Morega**, L.D. Virlan, A.M. Sandulescu, M. Morega, A.A. Dobre, *Measuring the hemodynamic flow in the brachial-ulnar-radial arterial system*, XIth Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, Constanta, October 12-16, 2016 - Romanian Academy and University Ovidius, Constanta.

55. Juncu Ghe., Nicola A., **Popa C.**, *Splitting methods for the numerical solution of multi-component mass transfer problems*, 11th Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, Constanta, 12 – 16 octombrie 2016.
56. I. Pomparau I., **Popa C.**, *Convergence analysis of Kaczmarz algorithm with projection adjustment*, 11th Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, Constanta, 12 – 16 octombrie 2016.
57. D. Carp, **C. Popa**, C. Serban, *The extension of the Null-Space algorithm to consistent systems of linear equations*, CAIM 2016 Conference, 15-19 septembrie 2016, Craiova, Romania

Conferinte invitate la manifestări științifice internaționale:

1. **B. Alexe**, *Using a bivariate scan statistics for detecting disease clusters*, 147th ICB Seminar, Tenth International Seminar on Statistics and Clinical Practice, May 15 - 18, 2016, Warsaw, Poland.
2. **C. Enachescu, D. Enachescu**, *Iris biometrics: adaptive resonance networks for indexing and retrieving data*, 147th ICB Seminar, Tenth International Seminar on Statistics and Clinical Practice, May 15 - 18, 2016, Warsaw, Poland.
3. **C. Preda**, Vincent Vandewalle : *Clustering categorical functional data*, 147th ICB Seminar, Tenth International Seminar on Statistics and Clinical Practice, May 15 - 18, 2016, Warsaw, Poland
4. **G. Marinoschi**, *An Optimal Control Problem with Control in Coefficients*, ICRAPAM, 19-23.05.2016, Bodrum, Turcia.
5. **G. Marinoschi**, *Well-posedness of a new self-organizing criticality type model with two singularities*, Current Issues in PDEs, 1.06.2016, Bucuresti.
6. **G. Marinoschi**, *Feedback stabilization of the Cahn-Hilliard type system for phase separation*, OCERTO 20-24.06.2016, Cortona, Italia.
7. **G. Marinoschi**, *Feedback stabilization of system for phase separation*, 13^{ème} Colloque Franco-Roumain de Mathématiques Pures et Appliquées, 25-29.08.2016, Iasi.
8. **Micu Sorin**: *Approximation of the controls for the beam equation*, 24th Conference on Applied and Industrial Mathematics - CAIM 2016, Craiova, Romania, Septembrie 15-18, 2016.
9. **Micu Sorin**: *Stabilization of a Boussinesq system with localized damping*. International Conference on Applied Mathematics and Numerical Methods, Craiova, Romania, April 14-16, 2016.

10. **V. Preda**, *O abordare a unor sisteme dinamice pe baza entropiei non-extensive*, Conferința internațională "Diaspora în Cercetarea Științifică și Învățământul Superior din România – Diaspora și prietenii săi", Workshop Exploratoriu Sisteme dinamice. Teorie și aplicații, Timișoara, 25-28 Aprilie 2016.
11. **V. Preda**, C. Niculescu, *Hölder continuity of solutions of generalized Ky Fan inequalities*, XIII-ème Colloque Franco-Roumain de Mathématiques Appliquées, Iași, 25-29 Août 2016.
12. **V. Preda**, *A non-additive entropy approach to dynamical systems control*, International Workshop "Research Challenges in Intelligent Energy Systems – Mathematical Models and Applications", Bucharest, 7 May 2016.
13. S. Dedu, **V. Preda**, *Information measures based approach in Loss models and lifetime data*, 8th International Workshop on Applied Probability, Toronto, June 20-23, 2016.
14. **Aida Toma**, *Minimum dual divergence estimators for moment condition models*, XIIIeme Colloque Franco-Roumain de Mathematiques Appliquees, Iasi, Romania (25-29 August 2016). (sesiunea speciala "Statistics" organizata de Cristian Preda si Celine Lacaux)

Conferințe naționale

1. Y. Veli, **A.M. Morega**, "An energy harvesting device for portable applications", A XI-a Conferința Zilele ASTR "Orasul inteligent", Tîrgu Mures, 6-7 Octombrie 2016, ASTR, Universitatea "Petru Maior" din Targu Mures.
2. Y. Veli, **A.M. Morega**, "Generator piezoelectric pentru aplicatii de putere redusa", Simpozionul de Masini Electrice, SME-16, editia a XII-a, 11 Noiembrie, 2016, FIE-UPB, Bucuresti ISSN 2067-4147.
3. I. Ionica, M. Modreanu, **A.M. Morega**, C. Boboc, "Modelare tridimensională pentru un motor de cuplu de curent continuu cu unghi limitat, de talie 16", Simpozionul de Masini Electrice, SME-16, editia a XII-aa, 11 Noiembrie, 2016, FIE-UPB, Bucuresti ISSN 2067-4147.
4. M. Popa, **A.M. Morega**, L. Pislaru-Danescu, M. Morega, "Actuator magnetostrictiv - O analiza bidimensională", Simpozionul de Masini Electrice, SME-16, editia a XII-a, 11 Noiembrie, 2016, FIE-UPB, Bucuresti ISSN 2067-4147.
5. I. Dobrin, **A.M. Morega**, D. Enache, A. Dobrin, I. Popovici, S. Zamfir, "Bobine supraconductoare pentru acceleratoare de particule si sistemul criogenic de racire al acestora", Simpozionul de Masini Electrice, SME-16, editia a XII-a, 11 Noiembrie, 2016, FIE-UPB, Bucuresti ISSN 2067-4147.

6. **G. Marinoschi**, *Controlul frontierei libere intr-un model de tranzitii de faza*, Sesiunea de comunicări științifice Academia Română – 150 de ani, Academia Romana, Filiala Iasi, 5.03.2016.
7. **G. Marinoschi**, *Matematica aplicata in ISMMA: exemple*, Colocvii Matematice, Academia Romana, 5.04.2016.

Manifestări științifice organizate de institut

1. The 23rd Conference on Applied and Industrial Mathematics, CAIM 2016, Craiova, Romania, October 12-16, 2016.
2. Eleventh Workshop On Mathematical Modeling of Environmental and Life Sciences Problems, October 12-16, 2016, Constanta
3. A 19-a Conferință a Societății de Probabilități și Statistică din România, București, Universitatea din București, 27-28 mai 2016.
4. **G. Marinoschi**, Current Issues in PDEs, IMAR, 1.06.2016, Bucharest (co-organizator cu Lucian Beznea)
5. **G. Marinoschi**, O sarbatoare a teoriei probabilitatilor in Romania: Marius Iosifescu si Ioan Cuculescu 80 de ani (co-organizator cu Lucian Beznea)

Participare la organizarea unor conferințe internaționale:

1. **Vasile Preda, Vasile Laurentiu**, A 19-a Conferință a Societății de Probabilități și Statistică din România, București, 27-28 Mai 2016.
2. **Cornelia Enachescu**, coorganizator al 147th ICB Seminar, Tenth International Seminar on Statistics and Clinical Practice, May 15 - 18, 2016, Warsaw, Poland, impreuna cu Prof. Leon Bobrowski (International Centre of Biocybernetics, IBIB, Polish Academy of Science) si Prof. Zdenek Valenta (Dept. Od Medical Informatics&Biostatistics, Institute of Computer Science, Czech Academy)
3. **C. Preda**, XIIIeme Colloque Franco-Roumain de Mathematiques Appliquees, Iasi, Romania (25-29 August 2016), Sesiunea speciala *Statistics* organizata impreuna cu Celine Lacaux
4. **G. Marinoschi**, Sesiunea *Maths et planète Terre*, 13ème Colloque Franco-Roumain en Mathématiques Appliquées, Iasi, 25-29.08. 2016 (co-organizator cu Vuk Milisik)
5. **Vasile Laurentiu**, *European Girls' Mathematical Olympiad*, 10-16 Aprilie 2016, Busteni, România
6. **Vasile Laurentiu**, *Junior Balkan Mathematical Olympiad*, 24-29 Iunie 2016, Slatina,

România

Lista lucrărilor publicate in proceedings

1. **Luiza Bădin**, Florentin Șerban, Anca Teodora Șerban Oprescu, Silvia Dedu, *Reflecting on Romanian universities ranking: an entropy-based approach to evaluate scientific research*, Proceedings of the 15th International Conference on Informatics in Economy (IE 2016), Education, Research & Business Technologies, 2-5 Iunie 2016, Cluj, România

Manuscrise

1. **Aida Toma**, Amor Keziou, (2016) *Robust empirical divergence estimates in moment condition models*, 25 pagini

Lucrări acceptate spre publicare

1. **Vernic, R.**, *Capital allocation for Sarmanov's class of distributions*". Methodology and Computing in Applied Probability, accepted. **IF 2015: 0.782; SRI 2016: 0.719.**
2. Robe-Voinea, E. and **Vernic, R.**, *Fast Fourier Transform for multivariate aggregate claims*". Computational and Applied Mathematics (COAM), online first, DOI: 10.1007/s40314-016-0336-6. **IF 2015: 0.802; SRI 2016: 0.438.**
3. **Raducan, A.-M., Vernic, R. and Zbaganu, Gh.**, *On a conjecture related to the ruin probability for nonhomogeneous exponentially distributed claims*. Scandinavian Actuarial Journal, accepted. **IF 2015: 1.596; SRI 2016: 1.282.**
4. **G.I.Sebe**, *A near-optimal solution to the Gauss-Kuzmin-Levy problem for theta-expansions*, Journal of Number Theory, 2017
5. **U. Paun**, *G method in action: from exact sampling to approximate one*. Va apare in Rev. Roumaine Math. Pures Appl.
6. **U. Paun**, *G method in action: fast exact sampling from set of permutations of order n according to Mallows model through Cayley metric*. Va apare in Braz J. Probab. Stat..
7. **M.Iosifescu**, *Comentariu asupra articolului W. Doeblin et R. Fortet, "Sur des chains a liaisons completes"*, Bull.Soc. Math. France 65(1937), 132-148 va apare la Springer in 2017 in editia operelor complete ale lui Doeblin.
8. **M.Iosifescu**, *Comentariu asupra articolului W. Doeblin "Remarques sur la theorie metrique des fractions continues"*Compositio Math. 7(1940), 353-371, va apare la Springer in 2017 in editia operelor complete ale lui Doeblin.

9. Maria Moglan, Mihaela Roco, **Voicu Boscaiu**, *Tipologia manifestărilor emoționale în patologia neurodegenerativă*, in curs de publicare la Revista de Psihologie, ed Academiei Române Cod CNCISIS:579,B+
10. **S. Ion, G. Marinoschi**, A self-organizing criticality mathematical model for contamination and epidemic spreading, *Discrete Contin. Dyn. Syst. Ser. B*, accepted, 2016
11. T. Barbu, **G. Marinoschi**, Image denoising by a nonlinear control technique, *Internat. J. Control*, in press.

Lucrări trimise spre publicare

1. **A. Agapie et al.**, *Adapting corporate entrepreneurship assessment instrument for emergent economies*. Trimis la SOUTH AFRICAN JOURNAL OF BUSINESS MANAGEMENT
2. **Stelian Ion, Dorin Marinescu, Stefan Gicu Cruceanu**, *Riemann Problem for Shallow Water Equation with Vegetation*, **Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica**,
3. **Micu Sorin**, Roventa Ionel: Boundary controllability for finite-differences semi-discretizations of a clamped beam equation, *SIAM J. Control and Optimization*, Mai 2016
4. **A. M. Răducan, R. Vernic, Gh. Zbăganu**, "Upper and lower bounds for a finite-type ruin probability in a nonhomogeneous risk process". Submitted
5. **U. Paun** *G method in action: fast exact sampling from set of permutations of order n according to Mallows model through Kendall metric*. Submitted
6. **M. Buiculescu** *On excessive and subinvariant measures for regular step processes*. Submitted
7. **Micu Sorin**, Pazoto Ademir: Stabilization of a Boussinesq system with generalized damping, *Systems and Control Letters*, Februarie 2016.
8. **Micu Sorin**, Temereanca Laurentiu: Estimates for the controls of the wave equation with a potential, trimis la ESAIM: Control, Optimisation and Calculus of Variations, Aprilie 2016.
9. **D. Popescu** 2016. Mathematical description of the swelling stage of a pulsatory liposome inserted into a closed and spherical bath. *Journal of Mathematical Biology* (in press).
10. **D. Popescu** 2016. The effect of the internal solute concentration and of the bath size on the number of cycles of a pulsatory liposome. *Biotechnology and Bioengineering* (in press)

Lista proiectelor bilaterale cu institute din academii din străinatate

1. **Gabriela Marinoschi**, *Nonlinear partial differential equations (PDE) with applications in modeling cell growth, chemotaxis and phase transition*, in cadrul Acordului de cooperare stiintifica intre CNR si Academia Romana, **IMATI-Pavia, IASI-Roma**, 2014-2016 – director de proiect;
2. **Cornelia Enăchescu**, *New computational techniques for exploratory analysis and their biomedical applications; elaborate prognostic models on the basis of genetic data and censored survival time*, in cadrul Acordului de cooperare stiintifica intre **PAS-IBIB** Polonia si Academia Romana, 2012-2016 – director de proiect

Lista granturilor în curs de derulare în acest an în țară (MEC)

1. *Portfolio selection models and applications*, **Contract PN-II-ID-PCE-2011-3-0908, Program IDEI_Proiecte de Cercetare Exploratorie_Competitie 2011**, etapa 6, Valoarea totală 1012500 lei / Valoarea pentru anul 2016 este 183854 lei, **Director de Proiect Marius Rădulescu**
2. *Hybrid renewable energy system based on VAWT with integrate phvoltaic panels and magnetic suspension*, contr.PN 40/2012, durata contractului-36 luni, valoarea contractului 3 000 000 lei/Valoarea pentru anul 2016 este 154630 lei, **Director Horia Dumitrescu**
3. *Lansator electromagnetic pentru stingerea incendiilor violente din foraj și lansării dronelor pentru investigații sau intervenții*, Contr. PN299/2014 (et. 3), /Valoarea pentru anul 2016 este 78146 lei, **responsabil ISMMA, Alexandru Dumitrache**
4. *Accounting for the Service-providing units of Plants in the environmental Assessment of plans and projects with Biogeochemical Impact at multiple scales in River basins*, Contract PN50/2012, Valoarea pentru anul 2016 este 41500 lei, **Responsabil ISMMA, Stelian Ion**

Invitati straini in institut:

1. Prof. Mimmo Iannelli, Universitatea din Trento, Italia, 30.05-3.06.2016
2. Prof. Pierluigi Colli, Universitatea din Pavia, Italia, 30.05-7.06.2016
3. Prof. Gianni Gilardi, Universitatea din Pavia, Italia, 30.05-7.06.2016
4. Prof. Angelo Favini, Universitatea din Pavia, 30.05-3.06.2016
5. Prof. Leon Bobrowski, (International Centre of Biocybernetics, IBIB, Polish Academy of Science, 31.08-05.09.2016

Membri in comitete editoriale

1. **Anca Veronica Ion**, ROMAI Journal
2. **Gabriela Marinoschi**, Mathematical Reports,
3. **Gabriela Marinoschi**, Revue Roumaine de Mathématiques Pures et Appliquées,
4. **Gabriela Marinoschi**, Journal of Numerical Analysis and Aproximation Theory
5. **Sorin Micu**, Acta Applicandae Mathematicae, ISSN: 0167-8019,
6. **Sorin Micu**, Mathematical Control and Related Fields (MCRF), ISSN 2156-8472,
7. **Alexandru Morega**, Revue Roumaine des Sciences Techniques Electrotechniques et Energetiques, Redactor Sef Adjunct
8. **Alexandru Morega**, Proceedings of the Romanian Academy, Series A, Editorial and Advisory Board, Technical Sciences.
9. **Constantin Popa**, Analele St. ale Univ. Ovidius, Seria Matematica,
10. **Constantin Popa**, The Electronic International Journal Advanced Modeling and Optimization;
11. **Constantin Popa**, Romanian Journal on Information Technology and Automatic Control;
12. **Cornelia Enachescu**, International Advisory Board (IAB) of the Journal of Biocybernetics and Biomedical Engineering, revista indexata ISI
13. **Denis Enachescu**, Analele Universitatii Bucuresti, Seria Informatica, redactor sef adjunct
14. **Denis Enachescu**, International Journal of Numerical Analysis & Modeling
15. **Vasile Preda**, Proceedings of The Romanian Academy Series A – Mathematics Physics Information Science, ISSN 1454-9069, http://www.acad.ro/sectii2002/proceedings/proc_pag_eb.htm, Revistă indexată în baza de date ISI Web of Science
16. **Vasile Preda**, Scientific Bulletin Series A – Applied Mathematics and Physics, ISSN 1223-7027, http://www.scientificbulletin.upb.ro/SeriaA_-_Matematica_si_fizica_aplicate.php Revistă indexată în baza de date ISI Web of Science
17. **Vasile Preda**, International Journal of Optimization: Theory, Methods and Applications, ISSN 2070-5565, www.gip.hk/ijotma, Revistă indexată în baza de date internaționale Zentralblatt für Mathematik

18. **Vasile Preda**, Annals of the University of Bucharest, Mathematical Series, ISSN 2067-9009,
http://fmi.unibuc.ro/ro/analele_universitatii_bucuresti/analele_univ_matematica/,
Revistă indexată în bazele de date internaționale Mathematical Reviews și Zentralblatt für Mathematik
19. **Vasile Preda**, Revue d'Analyse Numérique et de la Théorie d'Approximation, ISSN 1222-9024, <http://www.ictp.acad.ro/anta/>, Revistă indexată în bazele de date internaționale **Mathematical Reviews și Zentralblatt für Mathematik.**
20. **Vasile Preda**, Annals of Spiru Haret University: Mathematics-Informatics Series, ISSN 1841-7833, Revistă indexată în baza de date internaționale Index Copernicus, <http://anale-mi.spiruharet.ro/board.html>
21. **Vasile Preda**, Advanced Modeling and Optimization, ISSN 1841-4311, <http://camo.ici.ro/journal/jeb.htm>, Revistă indexată în bazele de date internaționale Zentralblatt für Mathematik și Mathematical Reviews
22. **Vasile Preda**, International Journal of Risk Theory, ISSN 2248-1672, http://www.math.uaic.ro/~cefair/index.php?option=com_content&view=category&id=42&Itemid=111&lang=ro
23. **Stancu-Minasian, I.M.**, Applied Medical Informatics (the official Journal of the Romanian Society for Applied Medical Informatics – SRIMA)
24. **Stancu-Minasian, I.M.**, Advanced Modeling and Optimization (an electronic International Journal)
25. **Stancu-Minasian, I.M.**, International Journal of Optimization (Theory, Methods and Application)
26. **Stancu-Minasian, I.M.**, International Journal of Mathematical Modeling, Simulation and Applications (IJMMSA)
27. **Stancu-Minasian, I.M.**, Journal of Numerical Analysis and Approximation Theory
28. **Stancu-Minasian, I.M.**, International Journal of Mathematical Modeling and Computing (IJMMC),
29. **Stancu-Minasian, I.M.**, Journal of the Egyptian Mathematical Society