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## **DARE DE SEAMĂ PE ANUL 2018**

### **Carti**

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2. **T. C. Ionescu, M. Pătrașcu și F. Stoican**, *Sisteme de conducere pentru roboți mobili*, Politehnica Press , 2018
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2. **V.Vandewalle, C. Preda, S. Dabo**, *Clustering of Spatial functional data*, Spatial Statistics, Wiley
3. **Radulescu M., Radulescu C.Z.**, *A multi-objective approach to multi-period portfolio optimization with transaction costs*, Financial Decision Aid using Multiple Criteria Models. Multiple Criteria Decision Making. edited by Masri H., Pérez-Gladish B., Zopounidis C. (eds), 93-112, Print ISBN 978-3-319-68875-6, Online ISBN 978-3-319-68876-3, Springer International Publishing AG (2018).
4. **Carp D., Popa C., Serban C.**, *Methods for improving the quality of image reconstruction in Computerized Tomography*, Chapter 5, pag. 95-120, Models and Theories in Social Systems, C. Flaut, S. Mayerova-Hoskova, D. Flaut (eds.), Studies in Systems, Decision and Control, vol. 179, Springer, Cham, 2018; ISBN 978-3-030-00083-7, Springer

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13. **Aida Toma**, Cristinca Fulga, *Robust estimation for the single index model using*

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  15. Vernic, R., *On risk measures and capital allocation for distributions depending on parameters with interval or fuzzy uncertainty*, Applied Soft Computing 64, 199-215, 2018, (F.I.:3.907)
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2. Nazam, M, Arshad, M, **Postolache, M.**, *On common fixed point theorems in dualistic partial metric spaces*, J. Math. Anal. 9(2018), No. 1, 76-89

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11. **C. Tudor**, *Asymptotic expansion on Wiener chaos*, Stochastic Processes and their applications, June 2018, Gothenburg, Sweden, 10-15 Iunie 2018
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13. **C. Tudor**, *Asymptotic expansion*, Conference on Stochastic Analysis, University of Campinas, Brazilia, 12-15 August 2018
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  51. Virgil Iordache, **Stelian Ion**, Aurora Neagoe, *An ontology for modeling socio-ecological processes in inter-disciplinary and trans-disciplinary research programs*, The 12<sup>th</sup> Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, Constanta, Romania, October 24-28, 2018.
  52. Nicu Ciobotaru, **Stelian Ion**, Liliana Zaharia, Deak Gyorgy, Matei Monica, *Calibration techniques of physical parameters in a continuous hydrological model in order to simulate daily discharges. Case study: \c Su\c si\c ta River catchment*, The 12<sup>th</sup> Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, Constanta, Romania, October 24-28, 2018.
  53. **F. Frunzulica**, O. Preotu, **A. Dumitrache**, M. Cojocaru, *A Method for the Control of the Coanda Effect*, 2017 Fourth International Conference on Mathematics and Computers in Sciences and in Industry (MCSI), Corfu, Greece, 2018, pp. 316-322. doi:10.1109/MCSI.2017.25, 24-26 Aug. 2017.
  54. **Alexandru Dumitrache, Florin Frunzulica**, Octavian Preotu, *Flow Analysis in Various Ejectors Configurations*, 2017 Fourth International Conference on Mathematics and Computers in Sciences and in Industry (MCSI), Corfu, Greece, 2018,

- pp. 102-107. 978-1-5386-2820-1/17 © 2017 IEEE, DOI 10.1109/MCSI.2017.58, 24-26 Aug. 2017.
55. Ion MALAEL, Radu BOGATEANU, **Alexandru Dumitrache**, **Vladimir Cardos**, **Horia Dumitrescu**, *A New Rotor Design for VAWT Technology*, 6<sup>th</sup> International Workshop on Numerical Modelling in Aerospace Sciences NMAS 2018 / Bucharest, Romania, 16-17 May 2018 / Bucharest Romania.
  56. **Alexandru Dumitrache**, **Florin Frunzulica**, **Tudor Ionescu**, *Coandă effect on the flows through ejectors and channels*, The 20<sup>th</sup> International Conference "Scientific Research and Education in the Air Force" –AFASES 2018 / Brasov, Romania, 22-27 May 2018 / Brasov, Romania.
  57. **Horia Dumitrescu**, **Alexandru Dumitrache**, Ion Malael, Radu Bogateanu, *Influence of Wind Turbulence on the Standard and Counter-Rotating*, VAWT Performances, ECCM-ECFD 2018 / Glasgow, UK, 11-15 June 2018.
  58. **Alexandru Dumitrache**, Stefan Bogos, *The aircraft dynamics and control at landing phase*, ICNPAA 2018: Mathematical Problems in Engineering, Aerospace and Sciences / Yerevan, Armenia, 03-06 July 2018.
  59. **Florin Frunzulica**, **Alexandru Dumitrache**, Daniel Crunteanu, *Coanda effect in aerospace applications*, ICNPAA 2018: Mathematical Problems in Engineering, Aerospace and Sciences / Yerevan, Armenia, 03-06 July 2018.
  60. Mihai L. Niculescu, M.V. Pricop, M.G. Cojocaru, M.C. Fadgyas, **Alexandru Dumitrache**, *Corrections for Wind Tunnel Results for 2D High Lift Configurations Using RANS Simulations*, ICNPAA 2018: Mathematical Problems in Engineering, Aerospace and Sciences / Yerevan, Armenia, 03-06 July 2018.
  61. **Frunzulica Florin**, **Alexandru Dumitrache**, Octavian Preotu, *A Passive Flow Control Method Based on the Coandă Effect*, 9<sup>th</sup> International Conference on Mechanical and Aerospace Engineering (ICMAE) / Budapest, Hungary, Jul 10 - 13, 2018.
  62. **Alexandru Dumitrache**, **Frunzulica Florin**, Octavian Preotu, *Applications of the Coandă Effect in Aeronautics*, 9<sup>th</sup> International Conference on Mechanical and Aerospace Engineering (ICMAE) / Budapest, Hungary. Jul 10 - 13, 2018.
  63. **Alexandru Dumitrache**, **Tudor Ionescu**, Mihai Victor Pricop, Mihai-Leonida Niculescu, *Model Reduction for Systems with Transfer Functions*, International Conference of Numerical Analysis and Applied Mathematics – ICNAAM 2018 / Rodos, Grecia, 13-18 Sep 2018.
  64. Ionuț-Cristian Stan, Marius-Adrian Lupescu, **Florin Frunzulica**, **Alexandru Dumitrache**, *Using CFD to improve vehicles aerodynamics*, International Conference of Numerical Analysis and Applied Mathematics – ICNAAM 2018 / Rodos, Grecia, 13-18 Sep 2018.
  65. **Al. Dumitrache**, **F. Frunzulica**, **H. Dumitrescu**, *Applications of the Coanda Effect in Aerospace Technology - a Review*, International Conference of Aerospace Sciences – AEROSPATIAL 2018 / Bucharest, Romania, 25-26 October 2018.

66. **G. Marinoschi**, *A nonlinear population dynamics with stochastic demographic rates*, Dynamical Systems Applied to Biology and Natural Sciences (DSABNS2018), Torino, Italia, 7-9.02.2018.
67. **G. Marinoschi**, *Variational approach to direct and inverse nonlinear diffusion problems*, Trends in Variational Evolution, Viena, Austria, 21.02.2018.
68. **G. Marinoschi**, *An optimal control approach to the optical flow problem*, Challenges in Optimal Control of Nonlinear PDE-Systems, Oberwolfach, Germania, 8-14.04.2018.
69. **G. Marinoschi**, *Feedback stabilization of a phase-field system with viscosity effects*, Atelier Analyse, analyse numérique et contrôle des milieux continus, București 21-23.05.2018.
70. **G. Marinoschi**, *Feedback stabilization of a phase-field system with viscosity effects*, Special materials and complex systems, SMACS 2018, Gargnano, Italia 18-22.06.2018.
71. **G. Marinoschi**, *A free boundary problem for a skin growth model*, Worksgop Geometry and PDEs, Universitatea de Vest, Timisoara 12-14.10.2018.
72. **G. Marinoschi**, *Highlights in the mathematical modelling of the circulatory system*, SRCCV 2018, Brasov 2-4.11.2018.
73. L. Caillé, **L. Marin**, F. Delvare, *A meshless fading regularization method for the Cauchy problem associated with the three-dimensional Helmholtz equation*, Ninth, International Conf. "Inverse Problems: Modeling & Simulation", Malta 21-25 mai 2018.
74. C.J.S. Alves, **L. Marin**, N.F.M. Martins, *Using the method of fundamental solutions to solve mixed obstacle inverse problems*, Ninth International Conference "Inverse Problems: Modeling & Simulation", Malta 21-25 mai 2018.
75. M. Grimmonprez, K. Van Bockstal, **L. Marin**, *Reconstruction of a temporal load distribution in an Euler-Bernoulli beam*, Ninth International Conference "Inverse Problems: Modeling & Simulation", Malta 21-25 mai 2018.
76. **L. Marin**, *Gradient method-based algorithms for the Cauchy problem in steady-state anisotropic heat conduction*, Ninth International Conference "Inverse Problems: Modeling & Simulation", Malta 21-25 mai 2018.
77. **L. Marin**, *Comparison of gradient method-based algorithms for the Cauchy problem in steady-state anisotropic heat conduction*, 1<sup>st</sup> Workshop on Inverse Problems (IP2018), Belgia 17-19 septembrie 2018.

### **Conferinte invitate la manifestări științifice internaționale:**

1. **C. Preda**, L. Norberciak, S. Verdun, *Clustering repeated functional data*, 12th International Seminar on Statistics and Clinical Practice, 25-26 iunie 2018, Lille, Franta
2. P. Bastien, **C. Preda**, *Repeated functional data analysis*, A 21 a Conferinta a Societatii de Probabilitati si Statistica din Romania, SPSR 2018, 13-14 Aprilie 2018, Bucuresti

3. **Vernic R.**, *On the multivariate Sarmanov distribution and its actuarial applications*, MATTEX2018, Universitatea Konstantin Preslavsky din Shumen, Bulgaria, 25-27 octombrie 2018
4. **C. Enachescu, D. Enachescu**, *Classification with Bayesian Networks. Application for Medical Diagnosis*, 12th International Seminar on Statistics and Clinical Practice, 25-26 iunie 2018, Lille, Franta
5. **D. Enachescu**, *Bayesian networks: Tutorial on Inference, Learning and Modelling Complex Systems*, tutorial in cadrul SYNASC2018, Timisoara, 20-23 sept. 2018

### **Conferințe naționale**

1. Ioana Mazilu, Andreea Vișoiu, Alina Neagu, Alexandru Balașa, Alexandrina Andreescu, **Voicu Boscaiu**, Mădălina Duțu, Dan Corneci, *Monitorizarea glicemiei în terapie intensivă - este glucometrul cea mai bună soluție?* Congresul National SRATI 2018 (Societatea Română de Anestezie și Terapie Intensivă)
2. V. Yelda, **A.M. Morega**, L. Pișlaru-Dănescu, M. Morega, *Planar transformer for energy harvesting applications*, Zilele Academiei de Științe Tehnice din România, ASTR, Universitatea de Petrol-Gaze din Ploiești, Ploiești, Romania, 17-19, octombrie, 2018.
3. N. Tănase, **A.M. Morega**, *Analiza unor încărcări statice într-un lagăr cu magneți permanenți*, Simpozionul de Mașini Electrice, SME'18, ediția a XIVa, , Facultatea de Ingineri Electrică, UPB, ASTR, IEEE-Romania, ISSN: 843-5912, 9 Noiembrie, 2018.
4. M. Popa, **A.M. Morega**, L. Pișlaru-Danescu, M. Morega, Y. Veli, *Optimizarea materialului magnetic activ într-un actuator magnetostrictiv prevăzut cu bias electric suplimentar*, Simpozionul de Mașini Electrice, SME'18, ediția a XIVa, , Facultatea de Ingineri Electrică, UPB, ASTR, IEEE-Romania, ISSN: 843-5912, 9 Noiembrie, 2018.
5. **Morega, A.M.**, Morega M., *Methods of Ablation in Surgery*, Workshop-ul de Modelare Matematică în Probleme de Mediu și Științele Vieții, Constanța, 6-8 iulie, 2018.
6. D. Carp, **C. Popa**, T. Preclik, Ulrich Ruede, *Iterative solution of weighted linear least squares problems*, Seminarul Itinerant Romanesc de Analiza Matematica si Aplicatii, editia I, Universitatea Babes-Bolyai, Cluj-Napoca, Romania, 20-21.04.2108.
7. **D. Popescu**, *The influence of the external bath size on the number of cycles of the a lipid unilamellar vesicle under hypotonic conditions*, XV<sup>th</sup> National Conference of Romanian Society of Pure and applied Biophysics, Bucharest, Romania, 7-9 sept 2018.
8. **H. Dumitrescu, V. Cardos**, R. Bogateanu, *Coherent structure in wall-bounded turbulent flows*, Aeronautical Sciences and Space - Technological implications from the perspective of cyber security and safety, Bucharest, Romania, 19 December 2017.
9. **H. Dumitrescu, V. Cardos**, R. Bogateanu, *The Twisted Contact Structures in Turbulent Flows*, International Conference of Aerospace Sciences "AEROSPATIAL 2018", Bucharest, Romania, 25 - 26 October 2018.

10. **G. Marinoschi**, *Modele matematice în biologie. Un model de creștere a epidermei*, Un forum internațional de matematică aplicată și industrială Modelare Matematică în Probleme de Mediu și Științele Vieții, Constanta, 10.07.2018.
11. **G. Marinoschi**, *Minimum time optimal control for a singular parabolic system*, Workshop de analiza, ecuații diferențiale și mecanică, ICUB-FMI București, 9.11.2018.
12. **L. Marin**, *Gradient method-based algorithms for an inverse BVP in steady-state anisotropic heat conduction*, Workshop de „Analiză, ecuații și mecanică”, București 9 noiembrie 2018.

### **Manifestări științifice organizate de institut**

1. A 21-a Conferință a Societății de Probabilități și Statistică din România, București, ASE București, 13-14 Aprilie 2018
2. 12th International Seminar on Statistics and Clinical Practice, 25-26 iunie 2018, Lille
3. Current Trends in Applied Mathematics/ Romania, Iasi, 10-11.09.2018
4. The 26th Conference on Applied and Industrial Mathematics-CAIM 2018, September 20--23, 2018, Chișinău, Republica Moldova, 100 participanți
5. Twelfth Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, October 24--28, 2018, Constanta 40 participanți

### **Participare la organizarea unor conferințe internaționale:**

1. **Vasile Laurentiu**, *Olimpiada Internațională de Matematică – Membru Comisia organizare*, IMO 2018, Cluj, 3.07.2018 – 14.07.2018
2. **C. Preda, C. Enachescu**, coorganizatori ai 160th ICB Seminar, 12th International Seminar on Statistics and Clinical Practice, 25-26 iunie 2018, Lille, împreună cu Prof. Leon Bobrowski (International Centre of Biocybernetics, IBIB, Polish Academy of Science)
3. **C. Tudor**, organizator al unui Seminar Internațional lunar de Probabilități și Statistică la ISMMA cu conferențieri din țară și din străinătate (Franța, Finlanda, Elveția, Norvegia)
4. **C. Tudor**, organizator: A 21 a Conferința a Societății de Probabilități și Statistică din România, SPSR 2018, 13-14 Aprilie 2018, ASE, București, cu circa 70 de participanți din țară și străinătate (Franța, USA, UK, Grecia, Turcia etc)

## **Alte manifestari co-organizate ISSMA**

1. Concursul "MARCEL ROSCULET" Matematica pentru Ingineria Electrică, Editia a VIII-a – 2018, 120 participanti,

## **Lucrări acceptate spre publicare**

1. **C. Tudor**, Nakahiro Yoshida, *Asymptotic expansion for vector-valued sequences of random variables with focus on Wiener chaos*, Stochastic Processes and Their Applications, accepted
2. **C. Tudor**, M. Farambe Balde and K. Es-Sebaiy, *Ergodicity and drift parameter estimation for the infinite dimensional fractional Ornstein-Uhlenbeck process of the second kind*, Applied Mathematics and Optimization, accepted
3. **C. Tudor**, Soledad Twith Hector Arayaorres, *Behavior of the Hermite sheet with respect to the Hurst index*, Stochastic Processes and Their Applications, accepted
4. **C. Tudor**, Christian Olivera, *Density for solutions to stochastic differential equations with unbounded drift*, Brazilian Journal of probability and Statistics, accepted
5. **C. Tudor**, Marwa Khalil, *Correlation structure, quadratic variations and parameter estimation for the solution to the wave equation with fractional noise*, Electronic Journal of Statistics, accepted
6. **C. Tudor**, M. Tudor, *Regularity of local times of self-similar Gaussian quasi-helix*, Mathematical Reports
7. Yao, Y, Petrusel, A, **Postolache, M.**, *Iterative computation of mixed equilibrium problems and fixed point problems*, J. Nonlinear Convex Anal. 20(2019), accepted
8. Li, CL, Jia, ZF, **Postolache, M.**, *New convergence methods for nonlinear uncertain variational inequality problems*, J. Nonlinear Convex Anal. 20(2019), accepted
9. Radu Ionescu, Sorina Smeureanu, **Bogdan Alexe**, Marius Popescu, *Detecting abnormal events in video using Narrowed Motion Clusters*, *IEEE Winter Conference on Applications of Computer Vision*, SUA, 7-11 ianuarie 2019, Acceptat, in curs de publicare
10. **G.I. Sebe**, D. Lascu, *A two-dimensional Gauss-Kuzmin theorem for N-continued fraction expansions*, Journal de Theorie des Nombres de Bordeaux, in print
11. **G.I. Sebe**, D. Lascu, *A dependence with complete connections approach to generalized Renyi continued fractions*, Journal of Number Theory, JNT-D-18-
12. **G.I. Sebe**, D. Lascu, *Convergence rate for Renyi-type continued fraction expansions*,

- Indagationes Mathematicae, INDAG-2018-363
13. D. Lascu, **G.I. Sebe**, *A Gauss-Kuzmin- Levy theorem for Renyi continued fractions*, Acta Arithmetica, AA 181009
  14. **G. I. Sebe**, D. Lascu, *On convergence rate in the Gauss-Kuzmin problem for  $\theta$ -expansions*, Journal of Number Theory, Online June 2018, <https://doi.org/10.1016/j.jnt.2018.05.018>, (**F.I.:0,774**), va apare in 195 (2019), 51-71
  15. **Udrea Paun**, *A Gibbs sampler in a generalized sense, II*. Va apare in Analele Universitatii din Craiova, Seria Matematica-Informatica, anul acesta (2018)
  16. **Udrea Paun**, *G method in action: normalization constant, important probabilities, and fast exact sampling for Potts model on trees*. Trimisa la Journal of Theoretical Probability, in revizie
  17. **Luiza Bădin**, Cinzia Daraio, Leopold Simar, *A bootstrap based approach for bandwidth selection in estimating conditional efficiency measures*, European Journal of Operational Research, in revizie
  18. **C. Enachescu, D. Enachescu**, *Inferring, Learning and modelling complex systems with Bayesian networks*, SYNASC 2018, 20th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, IEEE Computer Society, ISBN 978 (in press)
  19. Luigi Catană, **Anișoara Maria Răducan**, *Stochastic order for some multivariate distribution families*, Revista Româna de Sociologie, to be published
  20. **M. Iosifescu**, *On the asymptotic distribution of the reversed of the continued fraction expansion*, Cont. Fractions Journal, accepted
  21. **H. Dumitrescu, V. Cardos**, R. Bogateanu, *The Transition Process from Laminar to Turbulent Flow*, Zeitschrift für Angewandte Mathematik und Mechanik ZAMM
  22. Paula Constantinescu, Aurora Neagoe, Andrei Nicoara; Anjam Grawunder, **Stelian Ion**, Marilena Onete, Virgil Iordache, *Exploring the implications of spatial heterogeneity of tailing material and time scale of vegetation growth processes on the design of phytostabilisation*, Journal of Hazardous Materials
  23. P. Colli, G. Gilardi, **G. Marinoschi**, E. Rocca, *Sliding mode control for phase field system related to tumor growth*, Appl. Math.Optimiz DOI: 10.1007/s00245-017-9451-z, Aparuta online
  24. **G. Marinoschi**, *Rescaling approach for a stochastic population dynamics equation perturbed by a linear multiplicative Gaussian noise*, Appl. Math.Optimiz <https://doi.org/10.1007/s00245-018-9507-8>, aparuta online
  25. V. Barbu, **G. Marinoschi**, *An identification problem for a linear evolution equation in a Banach space*, Discrete Contin. Dyn. Syst. Ser. S, in press

26. K. Van Bockstal, M. Grimmonprez, **L. Marin**, *Reconstruction of a solely time-dependent load in a simply supported non-homogeneous Euler-Bernoulli beam*, Computers & Structures,
27. **L. Marin**, *Landweber-Fridman algorithms for the Cauchy problem in steady-state anisotropic heat conduction*, Journal of Scientific Computing
28. **A.M. Morega**, A.M. Săndoiu , M. Morega, *On the optimal shape of magnetic field source used in magnetic drug targeting*, Buletinul U.P.B., seria C, 81, Iss. 1,
29. Dobrin I., Djourelou N., Enache D., **Morega A.M.**, Dobrin A., Popovici I. , *Simulations of cryogenic systems for the slow positron production at ELI – NP*, Buletinul UPB, seria A, 81, Iss. 1, ISSN 1223-7027, IF 0.498, va apare in numarul 1, 2019,
30. Ionică, I., Modreanu, M., **Morega, A.M.**, Boboc C., *DC limited angle torque electrical motor*, Buletinul UPB, seria C, acceptată,
31. L. Cherfils, **M. Petcu**, *Energy stable numerical scheme for the viscous Cahn-Hilliard-Navier-Stokes equations with moving contact line*, Numerical Methods for Partial Differential Equations
32. E. Feireisl, **M. Petcu**, D. Prazak, *Relative energy approach to a diffuse interface model of a compressible two-phase flow*, Mathematical Methods in the Applied Sciences
33. L. Cherfils, E. Feireisl, M. Michalek, A. Miranville, **M. Petcu**, D. Prazak, *On the compressible Navier-Stokes-Cahn-Hilliard Equations with Dynamic Boundary Conditions*, M3AS
34. D.Iga, **D. Popescu**, S. Gatman, *Alternate modulation of biological activity of stress molecule, beta-d-glucopyranosyl-cholesterol, by chemical modification of sugar moiety. Hypotheses concerning biochemical meaning of the new glycosides*, Revista de chimie, În press
35. L.Ixaru, **D. Popescu**, *A mathematical investigation on the active substance pulsatory release from a solution-charged liposome*, BioSystems,
36. D.Popescu, *The direct effects of a closed hypotonic environment on the working of a pulsatory liposomes*, J. of Theoretical Biology
37. E. Feireisl, **M. Petcu**, *A diffuse interface model of a two-phase flow with thermal fluctuations*, Applied Mathematics and Optimization

### **Lucrări elaborate**

1. V. Dadashi, **M. Postolache**, *Forward-backward splitting algorithm for fixed point problems and zeros of the sum of monotone operators*. PREPRINT for Arab. J. Math.
2. G.S. Saluja, **M. Postolache**, *Iteration process for four multivalued mappings in Kohlenbach hyperbolic spaces*. PREPRINT for Comput. Appl. Math
3. G.S. Saluja, **M. Postolache**, *Three-step iterative algorithm for multivalued nonexpansive mappings in  $CAT(k)$  spaces*. PREPRINT for Symmetry-Basel

4. A. Nandala, R. Chugh, **M. Postolache**, *Numerical reckoning zeros of accretive operators with application to the convex feasibility problem*. PREPRINT for Nonlinear Anal. Modelling Control
5. Yao, Y, **Postolache, M**, Zhu, Z, *Gradient methods with selection technique for the multiple-sets split feasibility problem*, Optimization, under review
6. **Luiza Bădin**, Silvia Dedu, Anca Teodora Șerban Oprescu, Florentin Șerban, *Anatomy of scientific research: evaluation, diagnosis, follow-up*
7. **Luiza Bădin**, Valentin Patilea, Leopold Simar, *Confidence intervals for efficiency scores in non-convex technologies*
8. Anamaria Aldea, **Luiza Bădin**, Carmen Lipară, *Assessing the impact of stock volatility on the efficiency of listed commercial banks: a conditional nonparametric approach*
9. **M. Beldiman**, *Some weighted equilibrium problems*, trimis spre publicare
10. Amor Keziou, **Aida Toma**, Robust minimum empirical divergence estimators for moment condition models using truncated orthogonality functions, under review
11. **V. Ionescu**, *A new proof of the central limit theorem for conditionally monotone or anti-monotone quantum random variables*
12. Marian Cuculescu, Oana Slusanschi, **Voicu Radu Boscaiu**, Henrique Pedro Soares Luis, Sandra Maria Fernandes Ribeiro Graça, Teresa Maria Beatriz Ramos Esteves Gonçalves dos Santos Albuquerque, Victor Abreu Assunção, Atena Galuscan, Angela Codruta Podariu, Sebastian Malmqvist, Gunnar Johannsen, Annsofi Johannsen, *Self-reported oral health related habits, attitudes and knowledge in adults from Portugal, Romania and Sweden – a comparative study*, trimisa la Int J Dent Hygiene, Wiley
13. **Voicu Boscaiu**, Colectiv Imunologie, Institutul Clinic Fundeni, *HLA-A, -B, -DRB1 Haplotype Frequencies in three Romanian regions*, (titlu provizoriu), pentru Immunogenetics, Springer
14. **Voicu Boscaiu**, Colectiv Facultatea de psihologie și științele educației, *On Christian Religion and locus of control*
15. **Voicu Boscaiu**, Colectiv Facultatea de psihologie și științele educației, *Correlates of Well-being in a cross-sectional survey of older people in Romania*
16. **Voicu Boscaiu**, Colectiv Institutul de Pneumofiziologie "Marius Nasta", *Prediction of post-surgical risks based on pre-surgical factors*
17. **Cecil P. Grunfeld**, *Nonlinear Evolution Equation in an Ordered Space, Revisited*
18. **Cecil P. Grunfeld**, *On continuity properties of solutions to a class of nonlinear evolution equations in a Banach ordered space*

19. **D.Popescu**, *The Pulsatory Lipid Vesicle Dynamics Under osmotic Stress. Vol. 2, Lambert Academic Publishing, Germany.*
20. **D.Popescu**, *Teoria retelelor neuronale artificiale. Vol. II*

### **Lista proiectelor bilaterale cu institute din academii din străinatate**

1. **Gabriela Marinoschi**, *Control and stabilization problems for phase field and biological systems*, CNR Italia-Academia Romana, 3800 EUR, 2018, 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, 2015-2018 – director de proiect

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

1. **Stelian Ion**, *Instrumente de modelare a proceselor de interfață Apă – Sol – Plante– Aer pentru administrarea inteligentă și durabilă a bazinelor hidrografice și a ecosistemelor dependente de apa subterană*, CCCDI-UEFISCDI, project number PN-III-P1-1.2-PCCDI-2017-0721/34PCCDI/2018, 95000 Lei, 2018
2. **Oana Lupascu - Stamate**, *Random time modifications of stochastic processes with numerical aspects for non-linear equations*, PN-III-P1-1.1-PD-2016-0293, UEFISCDI, 250 000 Lei, 2 ani

### **Invitati straini in institut:**

1. Prof. Leon Bobrowski, (International Centre of Biocybernetics, IBIB, Polish Academy of Science, 10.09-15.09.2018
2. Pierluigi Colli, 28-31 mai 2018, septembrie 2018
3. Elisabetta Rocca 28-31 mai 2018
4. Cecilia Cavaterra, septembrie 2018

### **Premii, medalii, brevete**

#### **Strainatate**

1. **Morega, A.M.**, *Diploma of Gold Medal, for "Rotary piezoelectric motor with double contact"*, EUROINVENT, 10<sup>th</sup> Edition, May 19, 2018, Iași, Romania (internațional)

#### **Țară**

1. Nicolae Cîndea, **Sorin Micu**, Ionel Roventă și Marius Tucsnak, **Premiul „Spiru Haret“** Lucrarea: *Particle supported control of a fluid-particle system*, Academia Romana

2. **Morega, A.M., Diploma de Excelență și Medalia de Aur cu Mențiune Specială** pentru *Transformator planar su nanofluid magnetic*, Salonul Național al Cercetării Științifice, Inovării și Inventicii, PROINVENT, Ediția XVI, 21-23 Martie, 2018, Cluj-Napoca
3. **Morega, A.M., Diploma de Excelență & Trofeul INCDMTM**, Salonului Național al Cercetării Științifice, Inovării și Inventicii, PROINVENT, Ediția XVI, 21-23 Martie, 2018, Cluj-Napoca
4. **Oana Lupascu - Stamate, Premiul „Dimitrie Pompeiu”** pentru grupul de lucrari *Branching processes*, Academia Romana

### **Membri in comitete editoriale**

1. **Anca Veronica Ion, Stelian Ion**, ROMAI Journal
2. **Gabriela Marinoschi**, Mathematical Reports,
3. **Gabriela Marinoschi**, Revue Roumaine de Mathématiques Pures et Appliquées,
4. **Gabriela Marinoschi**, Revue Roumaine de la Théorie de l'Approximation
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**, Annals of the Academy of Romanian Scientists,
10. **Cornelia Enachescu**, International Advisory Board (IAB) of the Journal of Biocybernetics and Biomedical Engineering, revista indexata ISI
11. **Denis Enachescu**, Analele Universitatii Bucuresti, Seria Informatica, redactor sef adjunct
12. **Denis Enachescu**, International Journal of Numerical Analysis & Modeling
13. **Aida Toma**, Membru in Editorial Bord al *Open Journal of Statistics*, Scientific Research Publishing, USA.
14. **Aida Toma**, Membru in Editorial Bord al *Statistics Research Letters*, World Academic Publishing, Hong Kong.
15. **Aida Toma**, Membru in Editorial Bord al *International Journal of Advanced Statistics and Probability*, Science Publishing Corporation, Bremen, Germany

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