Institutul de Statistica Matematica si Matematica Aplicata "Gheorghe Mihoc-Caius Iacob"

ACADEMIA ROMÂNĂ
Institutul de Statistică Matematică şi Matematică Aplicată
"GHEORGHE MIHOC- CAIUS IACOB"
Casa Academiei Române, Calea 13 Septembrie nr.13
050711 Bucureşti

Telefon: (+40-1) 021.318.24.33

DARE DE SEAMĂ PE ANUL 2017

Articole apărute în reviste din străinatate cotate ISI

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1. **Al. Dumitrache, F. Frunzulica,** S Grigorescu, *Aerodynamic investigations of a disc-wing,* AIP Conference Proceedings 1798 (1), 020050 (2017)

2. ML Niculescu, MG Cojocaru, MV Pricop, D Pepelea, **Al. Dumitrache,** *CFD analysis of a Darrieus wind turbine*, AIP Conference Proceedings, 1863 (1), 420003

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5. **Stelian Ion**, **Dorin Marinescu**, **Stefan Gicu Cruceanu**, *Modeling the water and sediment dynamics in vegetative filter strips,* 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Year: 2017 Pages: 478 – 482, IEEE Conference Publications

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8. Veli, Yelda, **Morega Alexandru M.,** Morega, Mihaela, et al., *Planning of renal tumor ablation aided by numerical modeling,* 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Year: 2017 Pages: 206– 210, IEEE Conference Publications

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10. **A.M. Morega**, J. Ordonez, M. Morega, A. Dobre, *Compact, interdigitated constructal design applied to supercapacitor systems*, Proceedings of 10th Constructal Law and Second Law Conference, CLC-2017, ISBN: 978-973-27-2748-5, Bucharest, May 15-16, 2017, pp. 487-498

11. **A.M. Morega**, A.A. Dobre, M. Morega, A. Săndoiu, *A high gradient stationary magnetic field source geometry optimization study,* 10th Constructal Law and Second Law Conference, CLC-2017, ISBN: 978-973-27-2748-5, Bucharest, May 15-16, 2017, 499-508.

12. Maria Moglan, Victoria Stan, Raluca-Lupu Stănescu, **Voicu Boscaiu**, *Empathy in Alzheimer's disease patients*, Romanian Journal of Experimental Applied Psychology, Volume 8, Special Issue 1 - 2017 (Psiworld 2016 Proceedings), 11-16, (2017); Journal DOI:10.15303/rjeap**,** ISSN–L: 2286-1831, (printed) p-ISSN: 2069-1971, (online) e-ISSN: 2286-1831.

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1. **Stefan-Gicu Cruceanu, Dorin Marinescu, Stelian Ion**, *A class of nonhomogeneous hyperbolic systems with source terms. Analyticla and numerical solutions,* The 25-th Conference on Applied and Industrial Mathematics, Iasi, Romania, September 14-16, 2017.

2. **Alexandru Dumitrache, Florin Frunzulica**, Octavian Preotu, *Numerical Analysis of the Coanda Effect on the Classical Interior Ejectors,* ICAAC 2017 - 19th International Conference on Aerospace and Advanced Composites / Franta, 18-19 mai 2017

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14. A. Karageorghis, D. Lesnic, **L. Marin**, *The MFS for the identification of an interior acoustic scatterer,* Trefftz/MFS – The Joint International Conference on Trefftz Method VIII and Method of Fundamental Solutions IV, Polonia, 4-9 iulie 2017

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17. **L. Marin,** *BEM gradient based iterative algorithms for inverse BVPs in steady-state anisotropic heat conduction,* International Conference on Boundary Element & Meshless Techniques XVIII, România, 11-13 iulie 2017

18. **G. Marinoschi,** *An inverse problem for image denoising,* Differential Equations and Applications, Italia, 22-26.05.2017

19. **G. Marinoschi,** *A stochastic population dynamics equation,* Atelier de travail en stochastique et interférences avec EDP/Romania, Bucuresti, 13-14.09.2017

20. **G. Marinoschi,** *Rescaling approach for population dynamics equation perturbed by a linear multiplicative noise,* Joint International Meeting of the German Mathematical Society and the Romanian Mathematical Society, Romania, Constanta, 16-19.09.2017

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28. **Madalina Petcu**, *On the viscous Cahn-Hilliard-Navier-Stokes equations with dynamic boundary conditions,* Workshop la Institutul de Matematica al Republicii Cehe, Praga, 6 septembrie 2017

29. **Popa C.**, *Convergence rates for Kaczmarz-type algorithms,* The Second Romanian – Turkish Mathematics Colloquium, Istanbul, Turcia, 25-29.10 2017

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31. **Bogdan Alexe**, *Learning to predict image difficulty*, 1st Conference on Recent Advances in Artificial Intelligence (RAAI 2017) gazduita in Bucuresti 19-20 iunie, 2017.

32. **C. Enachescu**, **D. Enachescu**, *Sample size determination and power analysis for clinical research,* The 11-th International Seminar on Statistics and Clinical Practice, May 11 - 13, 2017, Warsaw, Poland, 20-27

33. **Silviu-Laurentiu Vasile**, *Common problems in the interlaboratory comparison scheme,* The 11-th International Seminar on Statistics and Clinical Practice, May 11 - 13, 2017, Warsaw, Poland

34. **Silviu-Laurentiu Vasile**, *Proficiency Testing statistical techniques*, International Workshop on Proficiency Testing/Slovenia, 09.10.2017

35. **C. Tudor**, *Stochastic analysis and The Riemann zeta function*, Thematic Day on Stochastic Analysis, Barcelona, Spain, Ianuarie 2017

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40. **Luiza Bădin**, Cinzia Daraio, Leopold Simar, *Bandwidth selection issues in nonparametric conditional frontier models*, 15th Data Envelopment Analysis Conference (DEA) / Praga, Cehia, 26-29 Iunie 2017

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43. A. Amarioarei, **C. Preda**, *Scan statistics for some dependent models and applications*, The 17th Conference of the ASMDA, London, 6-9 june, 2017.

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Conferinte invitate la manifestări ştiinţifice internaţionale:

1. **Bogdan Alexe**, *Learning to predict image difficulty*, Speaker la 1st Conference on Recent Advances in Artificial Intelligence (RAAI 2017) gazduita in Bucuresti 19-20 iunie, 2017

2. **Aida Toma,** *Robust inference for models satisfying linear constraints using a generalization of the optimal Bs-robust estimator*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017, invited speaker la sectiunea *Entropy, divergences and Model Selection,* organizata de Vlad Barbu si Vasile Preda

3. **C. Enachescu**, *Sample size determination and power analysis for clinical research,* The 154-th ICB Seminar, Eleventh International Seminar on Statistics and Clinical Practice, May 11 - 13, 2017, Warsaw, Poland, 20-27

4. A. Duhamel, **C. Preda**, *Meta-analyses and indirect comparisons*, The 154-th ICB Seminar, Eleventh International Seminar on Statistics and Clinical Practice, May 11 - 13, 2017, Warsaw, Poland, 20-27

5. **Luiza Bădin**, *Confidence Intervals for Efficiency Scores in Non-convex Technologies*, Applied Economics Seminar Series, School of Economics, University of Queensland, 7 August, Brisbane, Australia, https://economics.uq.edu.au/event/session/4170

Conferinţe naţionale

1. **Alexandru Dumitrache, Florin Frunzulica,** Octavian Preotu**, Tudor Ionescu,** *Thrust and Jet Directional Control Using the Coandă Effect,* The 37th Conference "Caius Iacob" on Fluid Mechanics and its Technical Applications, November 16-17, 2017

2. **H. Dumitrescu, V. Cardos,** *The Origin of Shear Turbulence,* The 37th Conference "Caius Iacob" on Fluid Mechanics and its Technical Applications, November 16-17, 2017

3. R. Bogateanu, **V. Cardos, H. Dumitrescu,** *The Original Sin of the Paradigms in Turbulence,* The 37th Conference "Caius Iacob" on Fluid Mechanics and its Technical Applications, November 16-17, 2017

4. **Cecil P. Grunfeld,** *On a class of nonlinear evolution equations for positive self-ajoint trace-class operators,* The 37th Conference "Caius Iacob" on Fluid Mechanics and its Technical Applications, November 16-17, 2017

5. **Stelian Ion, Dorin Marinescu, Stefan Gicu Cruceanu,** *Analytical and numerical solution of Riemann Problem for a class of discontinuous hyperbolic systems,* The 37th Conference "Caius Iacob" on Fluid Mechanics and its Technical Applications, November 16-17, 2017

6. **A. M. Morega**, A.A. Dobre, M. Morega, *Probing the relevance of the cardiovascular impedance as a localized investigation technique – a numerical experiment,* The 37th Conference "Caius Iacob" on Fluid Mechanics and its Technical Applications, November 16-17, 2017

7. **A.M. Morega**, M. Morega, L. Pislaru-Danescu, *Analiza unui izolator de trecere, cu ulei, pentru medie tensiune,* Simpozionul de Maşini Electrice, SME'17, ediţia a XIII^a, 10 Noiembrie, 2017, Bucuresti

8. I. Dobrin, D. Enache, **A.M. Morega**, A. Dobrin, I. Popovici, *Electromagneti supraconductori generatori de campuri magnetice intense. Prezent si perspective,* Simpozionul de Maşini Electrice, SME'17, ediţia a XIII^a, 10 Noiembrie, 2017, Bucuresti

9. I. Ionica, M. Modreanu, **A.M. Morega,** *Modelare termică pentru masini electrice speciale*, Simpozionul de Maşini Electrice, SME'17, ediţia a XIII^a, 10 Noiembrie, 2017, Bucuresti

10. Y. Veli, **A.M. Morega**, L. Pislaru-Danescu, *Modelarea numerică a unui transformator palanar monofazat utilizat în construcţia surselor DC/DC,* Simpozionul de Maşini Electrice, SME'17, ediţia a XIII^a, 10 Noiembrie, 2017, Bucuresti

11. **A.M. Morega**, M.Morega, *Numerical Modeling of Bioheat Transfer* , IEEE E-Health and Bioengineering, EHB, June 22-24 2017- Sinaia, Romania

12. **Popa C.,** *Kaczmarz-type algorithms with cyclic selection,* Sesiunea Stiintifica de Toamna a AOSR, Timisoara, Romania, 12-14.10.2017, IEEE E-Health and Bioengineering, EHB, June 22 - 24 2017- Sinaia, Romania

13. **D.Popescu,** *Effect of the external medium of finite size on the swelling stage of a pulsatory liposome,* The 37th Conference "Caius Iacob" on Fluid Mechanics and its Technical Applications, November 16-17, 2017

14. **Andreea Mădălina Stancu**, **Ioan M. Stancu-Minasian:** Optimality and duality in nonsmooth semi-infinite multiobjective optimization problem. A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

15. Robe-Voinea, E. and **Vernic, R**., *On the optimization of an algorithm designed for the evaluation of a multivariate compound distribution,* A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

16. **Silviu-Laurentiu Vasile**, *Join operations in NOSQL databases*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

17. **Răducan Anişoara Maria**, *Proprietati ale transformatei Laplace*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

18. **Aida Toma,** *Robust inference for models satisfying linear constraints using a generalization of the optimal Bs-robust estimator*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

19. **Luiza Bădin**, Anca-Teodora Şerban-Oprescu, *Nonparametric efficiency analysis to evaluate and explain performance in scientific research*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

20. **C. Preda**, G.Saporta, *PLS regression with multivariate functional data,* A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

21. **V. Preda,** C. Bălcău, D. Constantin, I. Ileana Panait, *Cumulative entropies: A survey*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

22. **V. Preda,** M. Miroiu, *Generalized TL-moments for a generalized Power Law distribution* A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

23. S. Dedu, **V. Preda**, *General entropy measures based approach to loss models*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

24. S. Demetriu, **V. Preda,** R. Trandafir, *Statistical models for extreme air temperatures*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

25. V.S. Barbu, A. Karagrigoriou, **V. Preda**, *Entropy, divergence rates and weighted divergence rates for Markov chains*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

26. **Valentin Ionescu**, *New type of Fock bimodule and universal central limit theorems for operator-valued quantum random variables*, A 20-a Conferinţă a Societăţii de Probabilităţi şi Statistică din România, Academia Forţelor Aeriene „Henri Coandă" Braşov, 28-29 aprilie 2017

27. I. Petre, C. Banica, M. Paraipan, C. Valciu, O. Mihalache, M. Marian , A. Campeanu, **V. Boscaiu**, A. Dulamea *Myasthenia gravis associated with other autoimmune diseases - what we found out from our clinical practice? (P75),* Congresul SNR (Soc de Neurologie din Romania) 2017.

28. Dan Corneci, Mădălina Duțu, Ioana Popescu Garotescu, Oana Tudorache, Andreea Stroi, Alexandra Bobocea, **Voicu Boscaiu**, Silvius Negoiță, *Implementation in a multidisciplinary intensive care unit of regional citrate anticoagulation for continuous renal replacement therapy: prospective observational study,* Congresul National SRATI (Societatea Română de Anestezie și Terapie Intensivă), Sinaia 2017

29. **Voicu Boscaiu,** *Comparison of Romanian historical regions based on the frequency of HLA alleles*, A 20-a Conferință a Societății de Probabilități și Statistică din România, Academia Forțelor Aeriene „Henri Coandă" Brașov, 28-29 aprilie 2017

Manifestări științifice organizate de institut

1. The 25-th Conference on Applied and Industrial Mathematics, Iasi, Romania, September 14-16, 2017

2. The 37th Conference "Caius Iacob" on Fluid Mechanics and its Technical Applications, Bucuresti, Romania, 16-17 November , 2017

3. Atelier de travail en stochastique et interférences avec EDP/Romania, Bucuresti, 13-14.09.2017

4. Current Trends in Applied Mathematics/ Romania, Iasi, 27-28.10.2017

5. A 20-a Conferință a Societății de Probabilități și Statistică din România, Academia Forțelor Aeriene „Henri Coandă" Brașov, 28-29 aprilie 2017

6. **Cornelia Enachescu**, **Cristian Preda** (Univ. Lille-1, Franta), coorganizatori ai 154th ICB Seminar, Tenth International Seminar on Statistics and Clinical Practice, May 11 - 13, 2017, Warsaw, Poland, impreuna cu Prof. Leon Bobrowski (International Centre of Biocybernetics, IBIB, Polish Academy of Science)

Premii

În strainatate

1. **Alexandru Morega**, *Diploma și Medalia de Argint pentru „Linear magnetostrictive motor"*, EUREKA, The World Exhibition on Inventions, Research and New Technologies, 15 Mai, 2017, Barcelona, Spania

2. **Alexandru Morega**, **Diploma si Medalia de Aur pentru „Planar transformer with magnetic nanofluid",** EuroInvent 2017, International federation of Inventory Association, IFIA

În țara

1. **Stefan Cruceanu**, **Premiul „Dimitrie Pompeiu" al Academiei Române** pentru anul 2014, pe grupul de lucrări: *Metode numerice pentru ecuații din dinamica fluidelor* (nu a fost raportat in 2016)

2.   **Alexandru Morega**, **Diploma şi Medalia Aniversară "20 de ani de la înfiinţarea ASTR",** Academia de Ştiinţe Tehnice din România

3.   **Alexandru Morega**, **Diplomă şi Medalia de Aur** pentru **"Motor sonic magnetostrictiv cu modul electronic de acţionare",** Salonul de Invenţii şi Inovaţii, INVENTIKA, 15-18 Octombrie, 2017, Bucureşti

Brevete Inventii

1.   L. Psilaru-Danescu, **A.M. Morega**, M. Morega, L.C. Lipan, F. Bunea, *Motor sonic magnetostrictiv cu modul electronic de actionare,* OSIM

Lucrări elaborate si trimise/acceptate spre publicare

1.   **H. Dumitrescu, V.Cardos,** *A Mechanical Prototype of Shear Turbulence,* Zeitschrift für Angewandte Mathematik und Mechanik ZAMM, Under review

2.   **Stelian Ion, Dorin Marinescu, Stefan-Gicu Cruceanu**, *Riemann Problem for Shallow Water Equation with Vegetation,* Analele Stiintifice ale Universitatii Ovidius, Constanta. Seria Matematica, acceptata pentru 2018

3.   **Popa C.**, *Convergence rates for Kaczmarz-type algorithms,* Numerical Algorithms, 2017; https://doi.org/10.1007/s11075-017-0425-7, (FI = 1.366)

4.   **T. C. Ionescu**, O. V. Iftime and Q.-C. Zhong, *Moment matching-based approximations of a FIR system,* Systems & Control Letters, Under review

5.   P. Schulze, **T. C. Ionescu** and J. M. A. Scherpen, *Moment matching-based approximations for linear descriptor systems,* IEEE Transactions on Automatic Control, Under review

6.   **T. C. Ionescu** and O. V. Iftime, *A moment matching approach for systems of delayed differential equations,* Proceedings of European Control Conference 2018, Under review

7.   P. Colli, G. Gilardi, **G. Marinoschi**, E. Rocca, *Distributed optimal control problems for phase field systems with singular potential,* Analele Stiintifice ale Universitatii Ovidius, Constanta. Seria Matematica, acceptata pentru 2018

8.   P. Colli, G. Gilardi, **G. Marinoschi**, E. Rocca, *Sliding mode control for phase field system related to tumor growth,* Appl. Math.Optimiz, evaluare

9.   P. Colli, G. Gilardi, **G. Marinoschi**, E. Rocca, *Optimal control for a conserved phase field system with a possibly singular potential,* Evol. Equ. Control Theory, evaluare

10.   **G. Marinoschi,** *Rescaling approach for a stochastic population dynamics equation perturbed by a linear multiplicative Gaussian noise,* J. Diff. Equ., trimis

11.   L. Pîslaru-Dănescu, **A. M. Morega**, J. B. Dumitru, M. Morega, N. C. Popa, F. D. Stoian, D. Susan-Resiga, S. Holotescu, M. Popa, *Miniature Planar Spiral Transformer with Hybrid, Ferrite and Magnetic Nanofluid Core,* IEEE Transactions on Magnetics, Under review

12. **Popa C.**, *On Remotest set and Random controls in Kaczmarz algorithm,* Analele Stiintifice ale Universitatii Ovidius, Constanta. Seria Matematica*,* acceptata pentru 2018,

13. **Popa C.**, *A note on Kaczmarz algorithm with remotest set control sequence,* Annals of the Academy of Romanian Scientists: Series on Mathematics and its Applications (accepted 2017)

14. **Micu Sorin**, Temereanca Laurentiu Emanuel, *Estimates for the controls of the wave equation with a potential*, acceptat ESAIM: COCV**,** DOI: https://doi.org/10.1051/cocv/2017009

15. Liviu Gr. Ixaru, **Dumitru Popescu,** *A mathematical investigation on the active substance pulsatory release from a solution-charged liposome,* BioSystems, Under review

16. **D.Popescu**, A.G. Popescu, *Mathematical description of the swelling stage of a pulsatory liposome inserted into a closed and spherical bath,* J of Theoretical Biology, Under review

17. Ilie Bădescu, **Ana Maria Răducan**, Daniela Stoica, *Sociologia infrahazardelor: impact social şi rezilienţă comunitară. Aspecte teoretico-metodologice*, Revista Româna de Sociologie, To be published

18. LIU, Junfeng; **Tudor Ciprian A**., *Generalized Anderson model with fractional noise*, Result In mathematics, https://doi.org/10.1007/s00025-017-0739-8, (FI = 0.689)

19. **C. Tudor**, N. Bahamonde and S. Torres, *ARCH model and fractional Brownian motion*, Statistics and Probability Letters, accepted

20. **C. Tudor**, N. Bahamonde and S. Torres, *Characterization of the convergence in total variation and extension of the Fourth Moment Theorem to invariant measures of diffusions*, Bernoulli, accepted

21. **C. Tudor**, Soledad Torres, *The Multifractal Random Walk as pathwise stochastic integral: construction and simulation*, Journal of Theoretical Probability, accepted

22. **C. Tudor**, Marwa Khalil and Mounir Zili, Spatial variation for the solution to the stochastic linear wave equation driven by additive space-time white noise, Stochastics and Dynamics, accepted

23. **C. Tudor**, M. Tudor, Regularity of local times of self-similar Gaussian quasi-helix, Mathematical Reports

24. **Gh. Zbaganu**, *On a new stochastic ordering*, Mathematical Reports, submitted

25. Rădulescu S., **Rădulescu M**., Drăgan M, *On Pečaric's refinements of Jensen's inequality*, Carpathian Journal of Mathematics, submitted

26. **G.I.Sebe**, D. Lascu, *On convergence rate in the Gauss-Kuzmin problem for theta expansions*, Journal of Number Theory, JNT-D-17-00744

27. **G.I.Sebe**, D. Lascu, *A two-dimensional Gauss-Kuzmin theorem for N-continued fraction expansions*, Constructive Approximation

28. **M. Buiculescu**, *On excessive and subinvariant measures for regular step processes*, Proceedings of the Romanian Academy

29. Amor Keziou, **Aida Toma**, *Robust minimum empirical divergence estimators for moment condition models using truncated orthogonality functions*, Under Review.

30. Cristian Vizitiu, **Alexandru Agapie**, Robert Paiusan, Shahrazad Hadad, Marian Nastase, *Adapting corporate entrepreneurship assessment instrument for Romania*, South African Journal for Business Management, accepted

31. Alina POPA, **Alexandru Agapie**, Shahrazad Hadad, *Agricultural market share assesment using analytic network process*, submitted

32. **Luiza Bădin**, Cinzia Daraio, Leopold Simar, *A bootstrap based approach for bandwidth selection in estimating conditional efficiency measures*, European Journal of Operational Research, submitted

33. **Luiza Bădin**, Antonio Peyrache, *A Homothetic Nonparametric Production Frontier*, European Journal of Operational Research, submitted

34. **Luiza Bădin**, Silvia Dedu, Anca Teodora Șerban Oprescu, Florentin Șerban, *An Integrative Framework for Evaluating Scientific Research*, Research Policy, submitted

35. V. Vandewalle, **C. Preda**, S. Dabo-Niang, *Clustering of spatially distributed functional data*, Spatial Statistics/ Wiley, submitted

36. **Vernic, R**., *On the evaluation of some multivariate compound distributions with Sarmanov's counting distribution*, Insurance: Mathematics and Economics, Revision requested

37. Radu Ionescu, Sorina Smeureanu, **Bogdan Alexe**, Marius Popescu, *Detecting abnormal events in video using Narrowed Motion Clusters*, Trimis la Conferinta „Computer Vision and Pattern Recognition"*, in recenzie

Lucrari elaborate

1. **Luiza Bădin**, Silvia Dedu, Anca Teodora Șerban Oprescu, Florentin Șerban, *Anatomy of scientific research: evaluation, diagnosis, follow-up*

2. **Luiza Bădin**, Valentin Patilea, Leopold Simar, *Confidence intervals for efficiency scores in non-convex technologies*

3. Anamaria Aldea, **Luiza Bădin**, Carmen Lipară, *Assessing the impact of stock volatility on the efficiency of listed commercial banks: a conditional nonparametric approach*

4. **M. Buiculescu**, *Conditions on the existence of quasi-stationary distributions*

5. **M. Iosifescu**, *On the probability distribution of the reversed expansion in a continued fraction of a number in the unit interval* (II)

6. **Aida Toma**, *Robust inference for models satisfying linear constraints using a generalization of the optimal Bs-robust estimator*

7. Bolance C., **Vernic R**., *Multivariate count data generalised linear models: Three approaches based on Sarmanov's distribution*

8. **Valentin Ionescu**, *Realization of quantum infinitely divisible distributions on a Boolean Fock bimodule*

9. **Valentin Ionescu**, *Constructive asymptotic theorems for operator-valued quantum random variables*

10. **Valentin Ionescu**, *Models of non-commutative infinitely divisible distributions on a conditionally free Fock bimodule*

11. **Udrea Paun**, *G method in action: normalization constant, important probabilities, and fast exact sampling for Potts model on trees*

Lista proiectelor bilaterale cu institute din academii din străinatate

1. **G. Marinoschi,** *Control and stabilization problems for phase field and biological systems*, CNR Italia-Academia Romana, Valoare contract: 3800 euro/2017

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, 2012-2018 – director de proiect

Invitati straini in institut:

1. Prof. Pierluigi Colli, Universitatea din Pavia, Italia, Elisabetta Rocca, iunie 2017

2. Prof. Mimmo Iannelli, Universitatea din Trento, Italia, Cecilia Cavaterra, octombrie 2017

3. Prof. Leon Bobrowski, (International Centre of Biocybernetics, IBIB, Polish Academy of Science, 26.06-01.07.2017

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 internaţionale 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 internaţionale Mathematical Reviews şi 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 internaţionale Mathematica**l Reviews şi Zentralblatt für Mathematik.**

20. **Vasile Preda**, Annals of Spiru Haret University: Mathematics-Informatics Series, ISSN 1841-7833, Revistă indexată în baza de date internaţionale 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 internaţionale Zentralblatt für Mathematik şi Mathematical Reviews

22. **Vasile Preda**, International Journal of Risk Theory, ISSN 2248-1672, http://www.math.uaic.ro/~cefair/index.phpoption=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 Aproximation 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