



**Institutul de Statistică Matematică și Matematică Aplicată  
„Gheorghe Mihoc-Caius Iacob”  
al Academiei Române**

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**Institutul de Statistică Matematică și Matematică Aplicată  
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**DARE DE SEAMĂ  
2019**



Institutul de Statistică Matematică și Matematică Aplicată  
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## Cuprins

**Proiecte de cercetare**

**Cărți**

**Capitole apărute în cărți**

**Articole apărute în reviste din străinătate cotate ISI**

**Articole apărute în reviste cotate ISI, România**

**Articole publicate în reviste din străinătate (BDI)**

**Proceeding internaționale indexat IEEE si ISI**

**Articole apărute în reviste B+**

**Comunicări prezentate la manifestari științifice internaționale**

**Comunicări prezentate la manifestari științifice naționale**

**Manifestări științifice organizate de institut**

**Lucrări acceptate spre publicare**

**Lucrări elaborate**

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

**Invitati straini în institut**

**Premii, medalii, brevete**

**Membri in comitete editoriale**



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Programe de cercetare: 2019-2020

	Numele Programului	Echipa de cercetare
1	Analiza stocastică: probleme speciale de convergență a variabilelor aleatoare, de teoria probabilistică a numerelor, de teoria proceselor Markov	<b>Zbaganu Gheorghita (coordonator)</b> Tudor Ciprian Paun Udrea Sebe Gabriela Ionescu Valentin Raducanu Anisoara Sibiceanu Mariana
2	Modele statistice multidimensionale, liniare și neliniare, cu aplicații	<b>Enachescu Cornelia (coordonator)</b> Enachescu Denis Preda Vasile Preda Cristian Vernic Raluca Toma Aida Vasile Laurentiu Boscaiu Voicu Alexe Bogdan Agapie Alexandru Suter Florentina Badin Luiza
3	Modele speciale de programare matematică și optimizare neliniară cu aplicații	<b>Stancu Ioan (coordonator)</b> Radulescu Marius Stancu-Rusu Andreea Postolache Mihai Gradinaru Adriana Beldiman Miruna
4	Metode numerice și analitice în studiul mișcării fluidelor	<b>Dumitrescu Horia (coordonator)</b> Cardos Vladimir Dumitrache Alexandru Frunzulica Florin Ionescu Tudor



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5	Ecuatii cu derivate parțiale în științele vieții și mediului	<b>Marinoschi Gabriela (coordonator)</b> Cruceanu Stefan-Gicu Grunfeld Cecil Ion Stelian Ion Anca Veronica Lupascu-Stamate Oana Marin Liviu Micu Sorin Daniel Marinescu Dorin Morega Alexandru Petcu Madalina Popa Constantin Popescu Dumitru
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### Cărți

1. F. S. Tudor, F. Stoican, **T. C. Ionescu**, C. Oară, R. Ștefan, *Proiectarea în frecvență a sistemelor de reglare automată. Îndrumar de laborator*, Politehnica Press, 2019;
2. Marius Albu, **Denis Enachescu**, *Overview of Geological Processes and Bases of Mathematical Geology*, Amazon 219, 332pg., ISBN 9781072665939;

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1. **H. Dumitrescu, Al. Dumitrache**, I.Malael, R. Bogateanu, *The standard and counter-rotating VAWT performances with LES*, Ferrer E., Montlaur A. (eds) *Recent Advances in CFD for Wind and Tidal Offshore Turbines.*, (2019), 117-126, Springer, DOI: 10.1007/978-3-030-11887-7\_11;
2. **L. Marin**, *MFS-fading regularization method for inverse BVPs in anisotropic heat conduction*, in *Advances on Trefftz Methods and their Applications*, Springer, 2019;
3. **L. Marin**, *BEM-CGM algorithms for inverse boundary value problems in 2D steady-state anisotropic heat conduction*, *Advances in Boundary Element and Meshless Techniques XX: International Conference on Boundary Element & Meshless Techniques XX*, EC Ltd;
4. **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*, pp. 27-33, IEEE Computer Society, ISBN 978-1-7281-0625-0, 2019;
5. Dorin Andrica, Sorin Radulescu, **Marius Radulescu**, *Some New Methods for Generating Convex Functions*, in *Differential and Integral Inequalities*, eds. Dorin Andrica and Themistocles M. Rassias, pp. 135-229, Springer Optimization and Its Applications, vol. 151, ed. Springer, 2019, DOI [https://doi.org/10.1007/978-3-030-27407-8\\_4](https://doi.org/10.1007/978-3-030-27407-8_4);
6. Dorin Andrica, Sorin Radulescu, **Marius Radulescu**, *Convexity Revisited: Methods, Results, and Applications*, in *Differential and Integral Inequalities*, eds. Dorin Andrica and Themistocles M. Rassias, 49-134, Springer Optimization and Its Applications, vol. 151, ed. Springer ed. Springer, 2019, DOI [https://doi.org/10.1007/978-3-030-27407-8\\_3](https://doi.org/10.1007/978-3-030-27407-8_3);



7. **Aida Toma**, Cristina Fulga, *Robust estimation for the single index model using pseudo-distances*, în *New Developments in Statistical Information Theory based on Entropy and Divergence Measures*, ed. MDPI Basel, 2019;

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2. I. R. Ionescu, O. **Lupascu-Stamate**, *Boundary variation method for the generalized Cheeger problem*, *Applied Numerical Mathematics*, 140, June 2019, 199-214, FI=1.678;
3. L. Beznea, M. Deaconu, and O. **Lupascu-Stamate**, *Numerical approach for stochastic differential equations of fragmentation; application to avalanches*, *Mathematics and Computers in Simulation*, 160, June 2019, Pages 111-125, FI=1.409;
4. L. Caillé, **L. Marin**, F. Delvare, *A meshless fading regularization algorithm for the three-dimensional Helmholtz equation Cauchy problem*, *Numerical Algorithms* 82(3) 869-894, 2019, FI=1.659;
5. P. Colli, G. Gilardi, **G. Marinoschi**, E. Rocca, *Sliding mode control for phase field system related to tumor growth*, *Appl. Math. Optimiz.* 79, 3, 647–670, 2019, FI 1.301, SRI =1.788;
6. C. Cavaterra, **D. Enăchescu**, **G. Marinoschi**, *Sliding mode control of the Hodgkin-Huxley mathematical model*, *Evol. Equ. Control Theory*, 8, 4, 883-902, 2019, FI=1.142, SRI = 0.834;
7. **Sorin Micu**, Ademir Pazoto, *Stabilization of a Boussinesq system with localized damping*, *Journal d'Analyse Mathématique*, 137 (2019), 291-337, FI=0.718;
8. Umberto Biccari, **Sorin Micu**, *Null-controllability properties of the wave equation with a second order memory term*, *J. Differential Equations*, 267 (2019), 1376-1422, FI=1.938;
9. L. Cherfils, **M. Petcu**, *Energy stable numerical scheme for the viscous Cahn–Hilliard–Navier–Stokes equations with moving contact line*, *Numer. Methods Partial Differential Eq.* 35(2019), 1113–1133, FI. 1.633;



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11. E. Feireisl, **M. Petcu**, *Stability of strong solutions for a model of incompressible two-phase flow under thermal fluctuations*, J. Differential Equations, 267 (2019), 1836–1858, FI=1.938;
12. E. Feireisl, **M. Petcu**, D. Prazak, *Relative energy approach to a diffuse interface model of a compressible two-phase flow*, Math. Meth. Appl. Sci., 42(5), 2019, 1465-1479, 1–15, FI=1.533;
13. Michalek, A. Miranville, **M. Petcu**, D. Prazak, *On the compressible Navier-Stokes-Cahn-Hilliard equations with dynamic boundary conditions*, M3AS, (2019), FI=2.86;
14. **Popa C.** Correction to: *Convergence rates for Kaczmarz-type algorithms*, Numer. Algor., Published online: 13 June 2019; <https://doi.org/10.1007/s11075-019-00747-1>;FI. 1.241;
15. L. Gr. Ixaru, **D. Popescu**, *A mathematical investigation on the active substance pulsatory release from a solution-charged liposome*, BioSystems, 179, 48–54, 2019, FI=1.623
16. **Luiza Bădin**, Cinzia Daraio, Leopold Simar, *A bootstrap approach for bandwidth selection in estimating conditional efficiency measures*, European Journal of Operational Research, 277(2), 784-797, FI=3.806;
17. I. Caciula, **V. Boscaiu**, C. Cooper, *Prevalence and correlates of well-being in a cross-sectional survey of older people in Romania attending community day facilities*, The European Journal of Psychiatry 2019;33(3):129---134, FI=0.702;
18. Marian Cuculescu, Oana Slusanschi, **Voicu Radu Boscaiu et. colab**, *Self-reported oral health related habits, attitudes and knowledge in adults from Portugal, Romania and Sweden – a comparative study*, Int J Dent Hygiene. 2019;17: 359–368, FI=1.233;
19. Maria Moglan, Mihai Viorel Zamfir, Mihaela Zamfir, **Voicu Boscaiu**, Mihaela Roco, Catalina Tudose, *The first romanian clinical study about neurocognitive reserve*, Alzheimer's & Dementia: Journal of the Alzheimer's Association, Vol 15, Issue7, Supplement, P1139-P1140, AIS=3.993;
20. Băncescu, I., Chivu, L., **Preda, V.**, Puente-Ajovin, M, Ramos, A., *Comparisons of log-normal mixture and Pareto tails, GB2 or log-normal body of Romania's all cities size distribution*, Physica A – Statistical Mechanics and Applications, 526, 15 July 2019, 121017, <https://doi.org/10.1016/j.physa.2019.04.253>, FI 2.5
21. **G. I.Sebe**, D. Lascu, *On convergence rate in the Gauss-Kuzmin problem for  $\theta$ -expansions*, Journal of Number Theory 195, pp.51-71, 2019, FI=0.684



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22. **I. M. Stancu-Minasian**, *A ninth bibliography of fractional programming*, Optimization **68**(2019)11, 2123-2167,. With supplemental material “A classification due to the bibliography on fractional programming” by I. M. Stancu-Minasian accessed at <https://doi.org/10.1080/02331934.2019.1632250> (30 pages) (FI=1.206)
23. Bolance C. and **Vernic R.**, *Multivariate count data generalized linear models: Three approaches based on the Sarmanov distribution*, Insurance Mathematics and Economics 85, 89-103 (2019), FI=1.315
24. Olivera, Christian; **Tudor, Ciprian A.**, *Existence and Besov regularity of the density for a class of SDEs with Volterra noise*, C. R. Math. Acad. Sci. Paris 357 (2019), no. 7, 636–645, FI =0.508;
25. Slaoui, Meryem; **Tudor, Ciprian A.**, *Behavior with respect to the Hurst index of the Wiener Hermite integrals and application to SPDEs.*, J. Math. Anal. Appl. 479(2019), no. 1, 350–383, FI= 1.366;
26. **Tudor, Ciprian A.**; Yoshida, Nakahiro, *Asymptotic expansion for vector-valued sequences of random variables with focus on Wiener chaos*, Stochastic Process. Appl. 129 (2019), no. 9, 3499–3526, FI=0.780;
27. Olivera, Christian; **Tudor, Ciprian**, *Density for solutions to stochastic differential equations with unbounded drift*, Braz. J. Probab. Stat. 33(2019), no. 3, 520–531, FI=0.319
28. Araya, Héctor, **Tudor, Ciprian A.**, *Behavior of the Hermite sheet with respect to the Hurst index*, Stochastic Process. Appl., 129 (2019), no. 7, 2582–2605, FI=0.780;
29. Mollinedo, David A. C.; Olivera, Christian; **Tudor, Ciprian A.**, *Existence and smoothness of the density for the stochastic continuity equation*, Results Math. 74 (2019), no. 1, Art. 63, 15 pp., FI=0.890
30. **Lupașcu-Stamate, Oana; Tudor, Ciprian**, *Rosenblatt Laplace motion*, Mediterr. J. Math. 16 (2019), no. 1, Art. 15, 20 pp., FI=1.114;
31. Slaoui, M.; **Tudor, C. A.**, *Limit behavior of the Rosenblatt Ornstein-Uhlenbeck process with respect to the Hurst index*, Theory Probab. Math. Statist. No. 98 (2019), 183-198, FI=0.365
32. A. Bejenaru, **M. Postolache**, *Generalized Suzuki-type mappings in modular vector spaces*, Optimization IDS No. IM9HC, FI=1.206;
33. Y. Yao, **M, Postolache**, Z. Zhu, *Gradient methods with selection technique for the multiple-sets split feasibility problem*, Optimization, DOI: 10.1080/02331934.2019.1602772, FI=1.206





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34. A. Bejenaru, **M. Postolache**, *On Suzuki mappings in modular spaces*, Symmetry-Basel, 11(2019), No. 3, Art. No. 319, FI=2.143;
35. L.C. Ceng, **M. Postolache**, Y. Yao, *Iterative algorithms for a system of variational inclusions in Banach spaces*, Symmetry-Basel, 11(2019), No. 6, Art. No. 811, FI=2.143;
36. Z. Zhu, Y. Yao, **M. Postolache**, *Globally convergent method for designing twice spline contractual function*, J. Inequal. Appl., (2019) 2019:283, FI= 1.136
37. J. Chen, **M. Postolache**, L.J. Zhu, *Iterative algorithms for split fixed point problem involved in pseudo-contractive operators without Lipschitz assumption*, Mathematics 7(2019), No. 9, Art. No. 777, FI=1.105;
38. C.L. Li, **M. Postolache**, Z.F. Jia, *Weighted method for uncertain nonlinear variational inequality problems*, Mathematics 7(2019), No. 10, Art. No. 974, FI=1.105

#### Articole apărute în reviste cotate ISI, România

1. 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*, UPB Scientific Bulletin, Series A-Applied Mathematics and Physics, 81, 1, pp. 241-250, ISSN 1223-7027, WOS: 000461794200024;
2. Ionică, I., Modreanu, M., **Morega, A.M.**, Boboc C. , *DC limited angle torque electrical motor*, UPB Scientific Bulletin, Series A-Applied Mathematics and Physics, 81, 1, pp. 193-202, ISSN 1223-7027, WOS: 000461794200016;
3. Săndoiu, A.M., **Morega A.M.**, Morega, M., *On the constructal optimal shape of magnetic field source used in magnetic drug targeting*, UPB Scientific Bulletin, Series A-Applied Mathematics and Physics, 81, 1, pp. 171-180, ISSN 1223-7027, WOS: 000461794200014;

#### Articole publicate în reviste din străinătate (BDI)

1. Rădulescu C.Z., **Rădulescu M.**, *AQUAM - A Decision Support Software for Fish Farm Management*, Journal of Fisheries Science, vol. 1, no. 1, (2019), 1-6;



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2. Sheraz, M., Preda, V., Dedu, S., *Non-extensive minimal entropy martingale measures and semi-Markov regime switching interest rate modeling*, *AIMS Mathematics*, 2020, 5(1): 300-310 doi: [10.3934/math.2020020](https://doi.org/10.3934/math.2020020);

### Proceeding internațional indexat IEEE si ISI

1. **A. Dumitrache, T. C. Ionescu, M. V. Pricop, and M.-L. Niculescu**, *Model reduction for systems with transfer functions*, *AIP Conference Proceedings*, *Volume 2116, Issue 1*, July 2019, DOI [10.1063/1.5114372](https://doi.org/10.1063/1.5114372);
2. **F. Frunzulica, A. Dumitrache**, Ionuț-Cristian Stan and Marius-Adrian Lupescu, *Using CFD to improve vehicles aerodynamics*, *AIP Conference Proceedings* 2116, 360013, 2019; DOI [10.1063/1.5114373](https://doi.org/10.1063/1.5114373);
3. **Stelian Ion ; Dorin Marinescu ; Stefan Gicu Cruceanu**, *Data Porting Technique Across Scales*, *IEEE Xplore: 30 May 2019*, DOI: [10.1109/ATEE.2019.8724935](https://doi.org/10.1109/ATEE.2019.8724935);

### Articole apărute în reviste B+

1. **Horia Dumitrescu, V Cardoso, R. Bogateanu, Al. Dumitrache**, *Relativistic contact-wall effects at start-up*, *INCAS BULLETIN*, vol 11, Issue 2, 2019, pp 85-96;
2. **H. Dumitrescu, V. Cardoso, R. Bogateanu**, *Twisted Contact Structures in Turbulent Flows*, *INCAS BULLETIN*, vol. 11, Issue 1, pp. 91-106, 2019;
3. **Udrea Păun**, *A Gibbs sampler in a generalized sense, II*, *An. Univ. Craiova Ser. Mat. Inform.* 45 (2018), 103-121 (nu a fost raportată în 2018);

### Preprinturi

1. **Stelian Ion, Dorin Marinescu, Ștefan-Gicu Cruceanu**, *Constructive Approach of the Solution of Riemann Problem for Shallow Water Equations with Topography and Vegetation*, [arXiv:submit/2752638](https://arxiv.org/abs/submit/2752638);



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2. **Stelian Ion, Dorin Marinescu, Ștefan-Gicu Cruceanu**, *A Shallow Water Model for Water Flow on Vegetated Hillslope*, arXiv:submit/2788151;
3. **Cecil P. Grunfeld**, *A Nonlinear Evolution Equation in an Ordered Banach Space, Reconsidered*, [arXiv:1905.00193](https://arxiv.org/abs/1905.00193) [math.DS]
4. I. Necoara, **T. C. Ionescu**, *H2 model reduction of linear network systems by moment matching and optimization*, <https://arxiv.org/abs/1902.03348>;
5. I. Necoara, **T. C. Ionescu**, *Optimal H2 moment matching-based model reduction for linear systems by (non)convex optimization*, <https://arxiv.org/abs/1811.07409>;
6. **T. C. Ionescu**, O. V. Iftime and I. Necoara, *Optimal time-domain moment matching with partial placement of poles and zeros*, Depusa la European Control Conference 2020;
7. R. Barbulescu, G. Ciuprina, **T. C. Ionescu**, D. Ioan and L. M. Silveira, *Efficient model reduction of myelinated axons as port-Hamiltonian systems*, Depusa la SCEE 2020;
8. Dumitrasc A., Leleux Ph., **Popa C.**, Ruiz D., Rude U. (DAAD grant), *On numerical solution of full rank linear systems*, <http://arxiv.org/abs/1908.11746>;

### Conferințe internaționale 2019

1. **Al. Dumitrache**, V. Pricop, M. L. Niculescu, *Bifurcations and flow instabilities in conjunction with the jet flows*, ICNAAM 2019, Rodos, Grecia Sept. 2019;
2. M. V. Pricop, **A. Dumitrache**, M. L. Niculescu, *Blade element optimization of HAWT with strength restrictions*, ICNAAM 2019, Rodos, Grecia, Sept. 2019;
3. A.P. Blănariu, Ș. Anghel, **F. Frunzulică, Al. Dumitrache**, D. Crunțeanu, *Aerodynamic analysis of a winglet wing grid using CFD*, ICNAAM 2019, Rodos, Grecia Sept. 2019;
4. Ș. Anghel, A.-P. Blănariu, F. Frunzulică, D. Crunțeanu, **Al. Dumitrache**, *Numerical simulation of the flow around a mobile winglet*, ICNAAM 2019, Rodos, Grecia Sept. 2019;
5. **A. Dumitrache, F. Frunzulica, H. Dumitrescu, T.C. Ionescu**, *Flow control investigation using the Coanda effect on airfoils*, AFASES 2019 Brasov, Romania, Mai 2019;
6. **Cecil P. Grunfeld**, *On the Well-Posedness of the Cauchy Problem for a Nonlinear Evolution Equation in an Ordered Banach Space*, CAIM 2019, Romania 19-22 sept. 2019;



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7. **Stelian Ion, Dorin Marinescu, Stefan-Gicu Cruceanu**, *Data porting technique across scales*, Advanced Topics in Electrical Engineering (ATEE), 2019 11th International Symposium on / Bucharest, ROMÂNIA, Bucharest, Romania, March 28-30, 2019;
8. **Stelian Ion, Dorin Marinescu, Stefan-Gicu Cruceanu**, *Shallow Water Model for Flow on Vegetated Landscape*, The 27<sup>th</sup> Conference on Applied and Industrial Mathematics, Targoviste, Romania September 19-22, 2019;
9. I. Necoara, **T.C. Ionescu**, *Parameter selection for best H2 moment matching-based model approximation through gradient optimization*, European Control Conference 2019, indexata ISI/WOS, Napoli, Italia Iulie 2019;
10. **T. C. Ionescu**, O. V. Iftime, Q.-C. Zhong, *Model reduction by moment matching: case study of a FIR system*, European Control Conference 2019, indexata ISI/WOS, Napoli, Italia Iulie 2019;
11. **G. Marinoschi**, *Sliding mode control of the Hodgkin-Huxley mathematical model*, Italian-Romanian Colloquium on Differential Equations and Applications, Udine 10-12.04.2019;
12. **G. Marinoschi**, *Optimal control for a prostate tumor growth*, Recent advances in Phase-Field modeling: from Engineering to Biology Pavia 8-10.05.2019;
13. **G. Marinoschi**, *Mathematical modelling, analysis and therapy control in prostate tumor growth*, International Conference on Applied and Pure Mathematics (ICAPM 2019) Iasi 31.10-3.11.2019;
14. **G. Marinoschi**, *Feedback stabilization of a phase-field system with viscosity effects*, RICAM Special Semester Optimization Feedback Control, Linz, Austria 28-30.11.2019;
15. **L. Marin**, *Comparison of BEM-CGM algorithms for inverse boundary value problems in 2D steady-state anisotropic heat conduction*, 9th Congress of Romanian Mathematicians, Romania 28 iunie – 3 iulie 2019;
16. **L. Marin**, *BEM-CGM algorithms for inverse boundary value problems in 2D steady-state anisotropic heat conduction*, Twentieth International Conference on Boundary Element and Meshless Techniques (BeTeq 2019), Italia, 22-24 Iulie, 2019;
17. **L. Marin**, *MFS-fading regularization method for inverse BVPs in anisotropic heat conduction*, Joint International Conference on Trefftz Method IX and Method of Fundamental Solutions V, Portugalia, 29-31 Iulie, 2019;
18. **L. Marin**, *Iterative algorithms for some inverse problems in steady-state anisotropic heat conduction*, Mathematics Seminar, University of Dundee, Dundee, Scotland, UK 14 Octombrie, 2019;



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19. Umberto Biccari, **Sorin Micu**, *On the controllability of the wave equation with a second order memory term*, VIII Workshop Partial differential equations, optimal design and numerics, Benasque (Spania), 18 – 30 August, 2019; Thematic session on "Nonlocal PDE and control", 21 August 2019;
20. Umberto Biccari, **Sorin Micu**, *Controllability of the wave equation with memory term*, International Conference on Elliptic and Parabolic Problems, Gaeta (Italia), 20-24 Mai 2019; Minisymposium Control of Partial Differential Equations, 23 Mai 2019;
21. A.M. Ilie–Sandoiu, M. Morega, **A.M. Morega**, *Thermal analysis complementary to standardized experimental dosimetry of SAR in human head*, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, Mar., 28-30, 2019;
22. L. Pislaru–Danescu, **A.M. Morega**, M. Morega, A.A. Dobre, *Prototyping a proportionally plectromagnetic actuator with wide displacement of its mobile part*, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, Mar., 28-30, 2019;
23. A.A. Dobre, **A.M. Morega**, M. Morega, *Thermal analysis complementary to standardized experimental dosimetry of SAR in human head*, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Bucharest, Romania, Mar., 28-30, 2019;
24. Y. Veli, **A.M. Morega**, L. Pislaru–Danescu, M. Morega, G. Telipan, *The design of the secondary electrical circuit of a flyback transformer with hybrid magnetic core*, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE). Bucharest, Romania, Mar., 28-30, 2019;
25. R.M. Baerov, **A.M. Morega**, Y. Veli, M. Morega, *Numerical simulation of magnetic stimulation of spinal cord — An assistive planning technology*, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, Mar. 28-30, 2019;
26. N. Tanase, **A.M. Morega**, I. Chirita, C. Ilie, *Passive magnetic bearing – design and numerical simulation*, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, Mar., 28-30, 2019;
27. I. Ionica, M. Modreanu, **A.M. Morega**, C. Boboc, *Numerical analysis of a hybrid stepper motor for the electromagnetic torque calculation*, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, Mar., 28-30, 2019;
28. **O. Lupascu-Stamate**, *Rosenblatt Laplace motion*, Stochastic analysis and related topics, Bucuresti, Mai, 2019;
29. **O. Lupascu-Stamate**, *Rosenblatt Laplace motion*, Workshop for Young Researchers in Mathematics (9th edition) Bucuresti, Iunie, 2019;



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30. **O. Lupascu-Stamate**, *Stochastic differential equations of fragmentation and applications* The 15th Romanian-Finnish seminar, Turku, Finlanda, Iunie, 2019;
31. **O. Lupascu-Stamate**, *Rosenblatt Laplace motion*, Journées de Probabilités Dourdan, Franta, Iunie, 2019;
32. **O. Lupascu-Stamate**, *Rosenblatt Laplace motion*, The Ninth Congress of Romanian Mathematicians, Galati, Romania, Iulie, 2019;
33. **O. Lupascu-Stamate**, *Stochastic differential equations of fragmentation and applications*, Ergodic Theory and Related Fields, Bucuresti, Octombrie, 2019;
34. **C. Enachescu, D. Enachescu**, *About some stochastic methods for solving of parabolic equations*, A 22-a Conferinta a Societatii de Probabilitati si Statistica din Romania, 10-11 mai 2019;
35. Radu Tudor Ionescu, Sorina Semureanu, Marius Popescu, **Bogdan Alexe**, *Detecting abnormal events in video using Narrowed Normality Clusters*, 2019 IEEE Winter Conference on Applications of Computer Vision (WACV), Waikoloa Village, Hawaii, USA, 8-10 Ianuarie 2019;
36. Buzea Corina-Mona, Cristina Teodora Preoteasa, **Voicu Radu Boșcaiu**, Marian Cuculescu, *Oral Health-related Knowledge and Behaviour of Schoolchildren in Bucharest, Romania*, World Dental Congress. San Francisco 2019, September 2019;
37. Maria Moglan, Mihai Viorel Zamfir, Mihaela Zamfir, **Voicu Boscaiu**, Mihaela Roco, Catalina Tudose, *THE FIRST ROMANIAN CLINICAL STUDY ABOUT NEUROCOGNITIVE RESERVE*, Alzheimer's Association International Conference, Los Angeles, July 2019;
38. Anamaria Aldea, **Luiza Bădin**, *Assessing and explaining the impact of stock volatility on the efficiency of listed commercial banks*, XVI-th European Workshop on Efficiency and Productivity Analysis / London, UK, 10-13 iunie 2019;
39. **Luiza Bădin**, Cinzia Daraio, Leopold Simar, *A bootstrap approach for bandwidth selection in estimating conditional efficiency measures*, A 22-a Conferință a Societății de Probabilități și Statistică din România, 10-11 mai 2019;
40. **M. Postolache**, *Iteration processes for Suzuki operators*, IWAAO/Taiwan 30-31 mai 2019;
41. Romică Trandafir, **Vasile Preda**, Mihaela Păun, *New properties and some statistical results concerning the Varma entropy*, A 22-a Conferință a Societății de Probabilități și Statistică din România, 10-11 mai 2019;



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42. **Ana Maria Răducan**, Luigi I. Catana, *On stochastic order between random vectors*, The 22nd Conference of the Romanian Society of Probability and Statistics, Bucharest, 10-11 mai 2019
43. Rădulescu D.M., Meghea I., **Rădulescu M.**, Lazarioiu Gh., *An optimization model for equipment procurement in a data center*, XIXth International Multidisciplinary Scientific GeoConference SGEM2019, Albena, Bulgaria, 2019;
44. **Rădulescu M.**, **Zbaganu Gh**, Radulescu C.Z., *Multiperiod portfolio selection models with proportional transaction costs and initial holdings*, Conferinta SPSR 2019;
45. **Andreea Mădălina Rusu-Stancu**, **I.M. Stancu-Minasian**, *Multiobjective fractional programming involving semilocally type-I univex functions*, A 22-a Conferință SPSR, București 10-11 mai 2019;
46. **Aida Toma**, Cristina Fulga, *Robust estimation for the single index model using pseudodistances*, The 18th Conference of the Applied Stochastic Models and Data Analysis International Society and Demographics 2019 Workshop, Florenta, Italia, 11 - 14 Iunie 2019;
47. Paschalini Trentou, **Aida Toma**, Alexandros Karagrigoriou, *The use of pseudodistances in model selection*, 22nd Conference of the Romanian Society of Probability and Statistics, Bucuresti, Romania, 10-11 Mai 2019;
48. **C. Tudor**, *Asymptotic expansion for Wiener functionals*, Seminar of Boston University, USA, April 2019;
49. **C. Tudor**, *Asymptotic expansion for random vectors*, Seminar of Michigan State University, USA, April 2019;
50. **C. Tudor**, *High order expansion on Wiener space*, Stochastic Analysis and Related Topics, Bucharest, IMAR, May 2019. Romania May 2019;
51. **C. Tudor**, *Variations of the solution to the wave equation*, Ninth Congress of Romanian Mathematicians, Galati, Romania, June 2019. Romania, June 2019’
52. **C. Tudor**, *Estimation of the Hurst parameter for SPDEs*, Workshop on Stochastic Analysis, Campinas, Brazil, July 2019. Brazil, July 2019;
53. **C. Tudor**, *Behavior with respect to the Hurst parameter for Hermite processes*, First meeting Brazil-France on Mathematics, Rio de Janeiro, Brazil, July 2019. Brazil, July 2019;
54. **C. Tudor**, *Parameter estimation via Malliavin calculus Statistical Inference for SPDEs*, Berlin, Germany, September 2019. Germany. September 2019;
55. **C. Tudor**, *Asymptotic expansion for random vectors*, ISI World Congress, Kuala Lumpur, Malaysia, August 2019;



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56. **C. Tudor**, *High order asymptotic expansion on Wiener space, Long-Time Behaviour and Statistical Inference for Stochastic Processes: from Markovian to Long-Memory Dynamics*, Paris, France, November 2019;
57. **C. Tudor**, *Cumulants and high order asymptotic expansion, Asymptotic expansion and Malliavin calculus*, Paris, France, December 2019;
58. **Vernic R.**, Bolance C., *Sarmanov distribution for modeling dependence between the frequency and the severity of insurance claims*, 23 International Congress on Insurance: Mathematics and Economics, Munich, Germania, 10-12 iulie 2019;
59. Bolance C., Ramon A., **Vernic R.**, *Sarmanov distribution for modelling dependence between the frequency and the severity of insurance claims*, XXXVIII Spanish Conference on Statistics and Operational Research, Alcoi, Spania 3-6 Septembrie 2019;
60. **Vernic R.**, *On a collective model with dependent frequency and claim amounts*, A 22-a Conferință SPSR, IMAR București 10-11 mai 2019;
61. **Zbaganu Gh**, *On a conjecture concerning the Broken Stick Model*, CAIM 2019, Targoviste, Romania;

### Conferințe naționale 2019

1. R. Bogateanu, **V. Cardoso**, **A. Dumitrache**, **H. Dumitrescu**, *Relativistic contact-wall effects at the start-up*, 7th International Workshop on Numerical Modelling in Aerospace Sciences, NMAS Bucharest, Romania Mai 2019;
2. R. Bogateanu, **V. Cardoso**, **A. Dumitrache**, **H. Dumitrescu**, *Galilean space –time structure of structured turbulence*, The 38th Caius Iacob conference on Fluid Mechanics and its Technical Applications, Bucharest, Romania 2019;
3. **Cecil P. Grunfeld**, *On a nonlinear evolution model in abstract state space*, The 38th "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications, 2019/Romania 7-8 nov. 2019;
4. **Stelian Ion**, *Mathematical modelling of water circulation in soil-plant-atmosphere continuum*, Al doilea Workshop de Analiza, PDE și Mecanica 30 Mai 2019;
5. **Stelian Ion**, **Dorin Marinescu**, **Stefan-Gicu Cruceanu**, *Mathematical Modeling of Water Circulation in the Continuum Soil-Plant-Atmosphere. Part II*, The 38<sup>th</sup> "Caius Iacob"





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- Conference on Fluid Mechanics and its Technical Applications / Bucharest, ROMÂNIA, November 7-8, 2019;
6. **Stelian Ion, Dorin Marinescu, Stefan-Gicu Cruceanu**, *Mathematical Modeling of Water Circulation in the Continuum Soil-Plant-Atmosphere. Part I*, Workshop on INTERASPA / Târgoviște, Romania, September 24, 2019;
  7. **G. Marinoschi**, *Controllability in minimum time of diffusion in porous media*, The 38th “Caius Iacob” Conference on Fluid Mechanics and its Technical Applications, Bucuresti 7-8.11.2019;
  8. Umberto Biccari, **Sorin Micu**, *Null-controllability properties of the wave equation with a second order memory term*, 2nd Workshop on Analysis, PDEs and Mechanics, ISMMA București, 30 Mai 2019;
  9. **O. Lupascu-Stamate**, *Simulari ale curgerii unui fluid vascoplastic*, Conferinta Anuala a Societatii de Stiinte Matematice din Romania, Pitesti, Octombrie, 2019;
  10. **O. Lupascu-Stamate**, *Boundary variation method for the generalized Cheeger problem*, The 38th “Caius Iacob” Conference on Fluid Mechanics and its Technical Applications, Bucuresti Noiembrie 2019;
  11. Y. Veli, **A.M. Morega**, L. Pislaru-Danescu, M. Morega, M. Popa, *Studiul unui motor cu magnetostricțiune linear*, Simpozionul de Mașini Electrice, SME'19, ediția a XVa., Facultatea de Ingineri Electrică, UPB, ASTR, IEEE-Romania, ISSN, ISSN-L: 843-5912 15 Noiembrie, 2019;
  12. **A.M. Morega**, A.A. Dobre, M. Morega, R.M. Baerov, *Numerical Modeling of Magnetic Hyperthermia*, The 38th “Caius Iacob” Conference on Fluid Mechanics and its Technical Applications, 7 – 8 November 2019, Bucharest, Romania;
  13. **A.M. Morega**, *Thermal Therapy Methods*, Structuri, Materiale și Sisteme Electrice Avansate, ASMES 2019, Prima conferință internațională de inginerie electrică ICPE-CA, Predeal – România, 20 - 22 Noiembrie 2019;
  14. **C. Popa**, Gh. Juncu, A. Nicola, E. Stroila, *Efficient numerical solution for multicomponent mass transfer equations*, Conferinta Stiintifica de primavara a AOSR, Bucuresti, 4 - 6 aprilie 2019;
  15. **Dumitru Popescu**, *The working of the pulsatory liposome in a closed enclosure*, The 38th “Caius Iacob” Conference on Fluid Mechanics and its Technical Applications, Bucharest, Romania 7-8 nov 2019;
  16. **Voicu Boșcaiu**, *On Regression-Based Approach to Mediation and Moderation Analysis*, Conferința SPSR, București, Mai, 2019;



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17. Roxana Ranga, Cristina Mihai, **Voicu Boscaiu**, Corina-Mona Buzea, Oana Slusanschi, Marian Cuculescu, *Oral Health related Habits, Attitudes and Knowledge in Adults from Bucharest Area*, DENT4ALL CONGRSS, Universitatea „Carol Davila”, București, Martie. 2019;
18. Oana Slusanschi, **Voicu Boscaiu**, Adrian Țandără, Ana Maria Giura, Cristian Funieru, Marian Cuculescu, *Comparison of Oral Health Related Habits, Attitudes and Knowledge of Adolescents from Urban and Rural Areas*, DENT4ALL CONGRSS, Universitatea „Carol Davila”, București, Martie 2019;
19. Carmen Bușneag, **Boșcaiu Voicu**, Jerry Chin, *Clinical study on So Plus (Botanical beverage mix). Research on positive health effect of So Plus*, RO-INMED 2019, București Congress of The Romanian Medical Acupuncture and Integrative Medicine Society (SRAMMI), Noiembrie 2019;
20. **C. Tudor**, *Stochastic heat and wave equations*, 2nd Workshop on Analysis, PDEs and Mechanics, ISMMA, Bucharest, May 2019;

### Manifestări științifice organizate de institut

1. *Second Workshop on Analysis, PDEs and Mechanics*, 30.06.2019, Bucharest
2. *The 27th Conference on Applied and Industrial Mathematics-CAIM 2018*, September 17--20, 2019, Targoviste, Romania, 90 participanti
3. *The 38<sup>th</sup> Conference on Fluid Mechanics and its Technical Applications*, Bucharest, ROMÂNIA, 50 participanti
4. *The 22nd Conference of the Romanian Society of Probability and Statistics*, Bucharest, MAI 10-11, 2019

### Lucrări acceptate spre publicare

1. **Stelian Ion, Dorin Marinescu, Ștefan-Gicu Cruceanu**, *Constructive Approach of the Solution of Riemann Problem for Shallow Water Equations with Topography and Vegetation*, Analele Științifice ale Univ. Ovidius Constanța, *acceptata*;
2. I. Necoara, **T. C. Ionescu**, *H2 model reduction of linear network systems by moment matching and optimization*, IEEE Transactions on Automatic Control;



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3. I. Necoara, **T. C. Ionescu**, *Optimal H2 moment matching-based model reduction for linear systems by (non)convex optimization*, SIAM Journal On Control and Optimization.
4. Dumitru Petru Iga, **Dumitru Popescu**, Silvia 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 (in press);
5. Andrei-Dennis Voichitoiu, Florentina Duica, Dumitru Petru Iga, **Dumitru Popescu**, Dragos Cretoiu, Nicolae Suciuc., *Alteration of biochemical balance of amphiphilic compounds by partial reduction and methylation.*, Revista de chimie (in press);
6. **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>, aparut online;
7. V. Barbu, **G. Marinoschi**, *An identification problem for a linear evolution equation in a Banach space*, Discrete Contin. Dyn. Syst. Ser. S., doi: 10.3934/dcdss.2020081 , aparuta online;
8. D. Lascu, **G.I. Sebe**, *A dependence with complete connections approach to generalized Renyi continued fractions*, Acta Mathematica Hungarica ISSN 0236-5294, acceptata;
9. **G. I. Sebe**, D. Lascu, *A two-dimensional Gauss-Kuzmin theorem for N-continued fraction expansions*, Publicationes Mathematicae Debrecen, acceptata;
10. **G. I. Sebe**, D. Lascu, *Convergence rate for Renyi-type continued fraction expansions*, Periodica Mathematica Hungarica, acceptata;
11. **Udrea Păun**, *G method in action: normalization constant, important probabilities, and fast exact sampling for Potts model on trees*, Rev. Roumaine Math. Pures Appl., acceptata;
12. Rădulescu C.Z., **Rădulescu M.**, Alexandru A., Ianculescu M., Vevera V., *A multi-criteria weighting approach for Quality of Life evaluation*, Procedia Computer Science, (2019), 1-7;
13. R. Shevchenko, **C.A. Tudor**, *Parameter estimation for the Rosenblatt Ornstein-Uhlenbeck process with periodic mean*, Statistical Inference for Stochastic Processes, acceptata;
14. Soukaina Douissi Khalifa Es-Sebaiy, **C. A. Tudor**, *Hermite Ornstein-Uhlenbeck processes mixed with a Gamma distribution*, Publicationes Mathematicae Debrecen, acceptata;
15. Z. Khalil Mahd, **C. A. Tudor**, *Parameter estimates for the stochastic heat equation with fractional Laplacian*, Modern Stochastics: Theory and Applications, acceptat;
16. **C. A. Tudor**, *On the linear stochastic heat equation with Hermite noise*, Infinite Dimensional Analysis and Quantum Probability, acceptat;



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### Lucrări trimise spre publicare

1. **G. Marinoschi**, *Minimal time sliding mode control for evolution equations in Hilbert spaces*, ESAIMCOCV, evaluare
2. **L. Marin**, *Landweber-Fridman algorithms for the Cauchy problem in steady-state anisotropic heat conduction*, Journal of Scientific Computing
3. **L. Marin**, *BEM-CGM algorithms for inverse boundary value problems in 2D steady-state anisotropic heat conduction*, Numerical Algorithms
4. M. Bucătaru, **L. Marin**, *FDM-based alternating iterative algorithms for inverse boundary value problems associated with the 2D steady-state anisotropic heat conduction*, International Journal of Solids and Structures
5. **L. Marin**, F. Delvare, *Fading regularization MFS algorithm for inverse boundary value problems in 2D anisotropic heat conduction*, International Journal of Heat and Mass Transfer
6. **Micu Sorin**, Roventa Ionel, Temereanca Laurentiu, *Approximation of the controls for the wave equation with a potential*, Numerische Mathematik, Evaluare dupa prima revizie
7. Tănase, N., **Morega A.M.**, Ilie C., Chiriță I., Nedelcu A., Popa M., *Analytical and numerical modeling of passive magnetic bearings*, UPB Scientific Bulletin, Series C-Electrical Engineering and Computer Science, evaluare
8. **Morega A.M.**, Dobre A.A., Sandoiu A.M., Morega M., *Numerical modeling of hemodynamic heat transfer in hyperthermia tumor ablation*, Proc. of the Romanian Academy, Series A–Mathematics Physics Technical Sciences Information Science, evaluare
9. **Agapie, A.**, Hadad, S., Dardala M., Nastase, M., Florescu, M., *Shifting Among Education Tools when Moving from High School to University*, ENTROPY, evaluare
10. **Udrea Păun**, *Ewens distribution on  $S_n$  is a wavy probability distribution with respect to  $n$  partitions*, An. Univ. Craiova Ser. Mat. Inform.
11. **Ana Maria Răducan**, Luigi I. Catana, *Stochastic order for some multivariate distribution families*, Analele Stiintifice ale Universitatii Ovidius Constanta
12. **Vernic R.**, *On a class of bivariate mixed Sarmanov distributions*, Australian and New Zealand Journal of Statistics



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13. GI Usurelu, **M. Postolache**, *Convergence analysis for a three-step Thakur iteration for Suzuki-type nonexpansive mappings with visualization*, Symmetry-Basel, in revizie
14. A. Bejenaru, **M. Postolache**, *A unifying approach for some nonexpansiveness conditions on modular vector spaces*, Nonlinear Anal. Modelling Control
15. G.I. Usurelu, A. Bejenaru, **M. Postolache**, *New quasi-Newton methods and polynomiographic visualization via modified Thakur processes*, Appl. Numer. Math.

### Lucrări elaborate

1. **H. Dumitrescu**, **V. Cardos**, R. Bogateanu, *The turbulence, a relativistic contact phenomenon*
2. **Stelian Ion**, **Anca Veronica Ion**, *Multiresolution Analysis of Large Scatter Data*
3. **Stelian Ion**, **Stefan Gicu-Cruceanu**, **Dorin Marinescu**, *Griding Scatter Data*
4. **T. C. Ionescu** and O. V. Iftime, *Moment matching based approximation for a class of infinite-dimensional systems*, in preparation for Automatica
5. **T. C. Ionescu**, C. Oara and **A. Dumitrache**, *Moment matching based reduced closed-loop design to achieve asymptotic performance*, in preparation for Automatica
6. **T. C. Ionescu**, **A. Dumitrache** and O. V. Iftime, *Efficient moment matching-based approximation of a WAVE PDE system with irrational transfer function*.
7. **T. C. Ionescu**, P. Schulze and J. M. A. Scherpen, *Families of time-domain moment matching-based models for descriptor systems*
8. **T. C. Ionescu** and A. Astolfi, *Time-domain moment matching with preservation*
9. Dumitrasc A., Leleux Ph., **Popa C.**, Ruiz D., Rude U. (DAAD grant), *Block parallel solvers for LS problems*
10. Dumitrasc A., **Popa C.** (DAAD grant), *Some notes on Golub-Kahan\_Arioli algorithm*
11. **Luiza Bădin**, Valentin Patilea, Leopold Simar, *Confidence intervals for efficiency scores in non-convex technologies*
12. Anamaria Aldea, **Luiza Bădin** Carmen Lipară, *Assessing the impact of stock volatility on the efficiency of listed commercial banks: a conditional nonparametric approach*
13. **Luiza Bădin**, Silvia Dedu, Anca Teodora Șerban Oprescu, Florentin Șerban, *Anatomy of scientific research: evaluation, diagnosis, follow-up*



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14. **Voicu Boscaiu**, Colectiv Facultatea de Psihologie, *Conditional mediated dependence of locus of control on Emotional profile at age of adolescence* (titlu provizoriu)
15. **Voicu Boscaiu**, Colectiv Imunologie Clinica Fundeni, *HLA genotype, as risk factor for renal chronic disease* (titlu provizoriu)
16. **Voicu Boscaiu**, Colectiv Neurologie Clinica Fundeni, *Analiza statistică a evoluției pentru boala Fabry Analiza statistică a evoluției pentru scleroza tuberoasă*
17. GI Usurelu, **M. Postolache**, *Convergence analysis for a three-step Thakur iteration for Suzuki-type nonexpansive mappings with visualization*
18. **Radulescu M., Zbaganu Gh.**, *Absolute portfolios*
19. Radulescu S., **Radulescu M.**, *Avadanei, Periodic rings*
20. Radulescu S., **Radulescu M.**, Dragan M., *A converse of Pecaric inequality*,
21. **Radulescu M., Zbaganu Gh.**, *Asymptotic results in broken stick models*
22. Jayswal, Anurag; **Stancu-Minasian, Ioan M.** and Singh, Vivek: *Nondifferentiable multiobjective semi-infinite programming problems under higher-order convexity*.
23. **Andreea Mădălina Stancu**; Anurag Jayswal and **I.M. Stancu-Minasian**, *On efficiency and multiobjective fractional programming with generalized  $(F, b, \varphi, \rho, \theta)$ -type I univex and set functions*.
24. **Aida Toma**, Alexandros Karagrigoriou, Paschalini Trentou, *Robust criteria for model selection using pseudodistances*
25. **Vernic R.**, On a fuzzy discretization of continuous distributions with applications to risk models
26. Mutali S. and **Vernic R.**, *On the composite Lognormal-Pareto distribution with uncertain threshold*

### 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, 122 200 Lei, 2019



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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
3. **Gabriela Marionschi**, *Control and stabilization problems for phase field and biological systems* CNR Italia-Academia Romana, 3800Euro

### Invitați straini invitați în institut

- Pierluigi Colli, 8-16 martie 2019, 2-5.07.2019
- Mimmo Iannelli, Alberto Gandolfi 12-18.05.2019
- Guillermo Lorenzo 3-10.07.2019

### Premii

1. **Oana Lupascu – Stamate**, *Premiul Societatii de Probabilitati si Statistica din Romania oferit unui tanar matematician*, Bucuresti, mai 2019, Societatea de Probabilitati si Statistica din Romania
2. **Oana Lupascu – Stamate**, *Premiul Societatii de Stiinte Matematice din Romania oferit unui tanar matematician la cel de-al Noulea Congres al Matematicienilor Romani*, Galati, iunie 2019, Societatea de Stiinte Matematice din Romania
3. L. Pîslaru-Dănescu, E. Chițanu, L.A. El-Leathey, C.A. Băbuțanu, M.D. Marin, **A.M. Morega**, M. Morega, N.C. Popa, *Diploma of Bronze Medal, for “Power generation system by photovoltaic conversion, with antireflective coating”*, EUROINVENT, 11 ed., 2019, Iași, Romania.
4. **Raluca Vernic**, *Premiul pentru performanță în cercetarea științifică pe universitate*, Universitatea Ovidius din Constanța
5. **Marius Radulescu**, Best paper award for the paper *A multi-criteria weighting approach for Quality of Life evaluation*, Organizing committee of the 7th International Conference on Information Technology and Quantitative Management (ITQM 2019) Granada, Spain, November 3-6, 2019.



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### Membri in comitete editoriale

1. **Anca Veronica Ion**, *ROMAI Journal* ;
2. **Stelian Ion**, *ROMAI Journal* ;
3. **Liviu Marin**, *Proceedings of The Romanian Academy Series A – Mathematics Physics Information Science*;
4. **Gabriela Marinoschi**, *Mathematical Reports, Revue Roumaine de Mathématiques Pures Appliquées, Revue Roumaine de la Théorie de l'Approximation, Topical Editor- Proceedings of The Romanian Academy Series A – Mathematics Physics Information Science*;
5. **Sorin Micu**, *Acta Applicandae Mathematicae, ISSN: 0167-8019, Mathematical Control and Related Fields (MCRF)*;
6. **Alexandru Morega**, *Revue Roumaine des Sciences Techniques Electrotechniques et Energetiques, Redactor Sef Adjunct, Proceedings of the Romanian Academy, Series A, Editorial and Advisory Board, Technical Sciences*;
7. **Constantin Popa**, *Annals of the Academy of Romanian Scientists, International Advisory Board (IAB) of the Journal of Biocybernetics and Biomedical Engineering*;
8. **Madalina Petcu** *Differential and Integral Equations, Applied Mathematics and Optimization, Asymptotic Analysis*;
9. **Denis Enachescu**, *Analele Universitatii Bucuresti, Seria Informatica, redactor sef adjunct, International Journal of Numerical Analysis & Modeling*;
10. **Cornelia Enachescu**, *International Advisory Board (IAB) of the Journal of Biocybernetics and Biomedical Engineering*;
11. **Aida Toma**, *Open Journal of Statistics, Statistics Research Letters, International Journal of Advanced Statistics and Probability*;
12. **Vasile Preda**, *Scientific Bulletin Series A – Applied Mathematics and Physics, International Journal of Optimization: Theory, Methods and Applications, Annals of the University of Bucharest, Mathematical Series, Revue d'Analyse Numérique et de la Théorie d'Approximation, Annals of Spiru Optimization, International Journal of Risk Theory*;





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- 13. Marius Radulescu,** *Applied Sciences, Advanced Modeling and Optimization, Advances in Pure Mathematics, International Journal of Mathematical and Computational Science, Studies in Informatics and Control, Journal of Fisheries Science, International Journal of Theoretical and Applied Mathematics;*
- 14. Stancu-Minasian, I.M.,** *Applied Medical Informatics (the official Journal of the Romanian Society for Applied Medical Informatics – SRIMA, Advanced Modeling and Optimization (an electronic International Journal), International Journal of Optimization (Theory, Methods and Application), International Journal of Mathematical Modeling, Simulation and Applications (IJMMSA), Journal of Numerical Analysis and Approximation Theory, International Journal of Mathematical Modeling and Computing (IJMMC), Journal of the Egyptian Mathematical Society.*