

Concurs pentru ocuparea postului de CONFERENȚIAR poz. 9  
Departamentul de MATEMATICI APLICATE  
Disciplinele: ANALIZĂ MATEMATICĂ; MATEMATICI APLICATE ÎN ECONOMIE(ENGLEZĂ)  
Domeniul: MATEMATICĂ  
post publicat în Monitorul Oficial al României nr. 1242 din 03.12.2021

## LISTA DE LUCRĂRI

Candidat: SOLOMON D. OVIDIU- **Dr.**/din 2012, LECTOR UNIV. DR. /din 2013  
(NUME, inițială și prenume) (anul) (Titlul didactic/echiv.) (anul)

**1. Lista celor maximum 10 lucrări** considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări din prezenta listă de lucrări:

1. *Theory of (1+1) ES on the RIDGE* - A. Agapie, **O. Solomon**, M. Giuclea, IEEE Transactions on Evolutionary Computation, 2021, Electronic ISSN: 1941-0026, doi:10.1109/TEVC.2021.3111232, <https://ieeexplore.ieee.org/document/9531957>
2. *Application of a novel linearization method to compare the on-off control strategies modeled by piecewise linear systems* -T. Sireteanu, **O. Solomon**, AM. Mitu, M. Giuclea, Journal of Vibration and Control, 26(23-24) 2125-2135, 2020, ISSN: 1077-5463 <https://journals.sagepub.com/doi/abs/10.1177/1077546320915331>
3. *A Linearization Method of Piecewise Linear Systems Based on Frequency Domain Characteristics With Application to Semi-Active Control of Vibration* - T. Sireteanu, **O. Solomon**, A. M. Mitu, M. Giuclea, 140(6), Journal of Vibration and Acoustic, pag. 1-14, 2018, ISSN: 1048-9002, <https://asmedigitalcollection.asme.org/vibrationacoustics/article-abstract/140/6/061006/449608>
4. *Statistical Linearization of Hysteretic Systems Described by the Ramberg-Osgood Model*- A. M. Mitu, T. Sireteanu, M. Giuclea, **O. Solomon**, Journal of Engineering Mechanics 142(9), 04016066, 2016, ISSN: 0733-9399, [https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)EM.1943-7889.0001122](https://ascelibrary.org/doi/abs/10.1061/(ASCE)EM.1943-7889.0001122)
5. *Simulation of Wide-Sense Stationary Random Time-Series With Specified Spectral Densities*- A. M. Mitu, T. Sireteanu, M. Giuclea, **O. Solomon**, Journal of Vibration and Acoustic, 138(3), pag. 1-12, 2016, ISSN: 1048-9002, <https://asmedigitalcollection.asme.org/vibrationacoustics/article-abstract/138/3/031011/472577>
6. *A comparative study of the dynamic behavior of Ramberg-Osgood and Bouc-Wen hysteresis models with application to seismic protection devices* – T. Sireteanu, A. M. Mitu, M. Giuclea, **O. Solomon**, Engineering Structures, vol. 76, 2014, pag. 255-269, ISSN 0141-0296, <http://www.sciencedirect.com/science/article/pii/S0141029614004039>
7. *Analytical method for fitting the Ramberg-Osgood model to given hysteresis loops*- T. Sireteanu, A. M. Mitu, M. Giuclea, **O. Solomon**, D. Stefanov, Proceedings of the Romanian Academy, Series A, vol. 15, nr. 1, 2014, pag. 35-42, ISSN 1454-9069. <http://www.acad.ro/sectii2002/proceedings/doc2014-1/05-Sireteanu.pdf>
8. *Generation of stationary Gaussian time series compatible with given power spectral density* - M. Giuclea, A. M. Mitu, **O. Solomon**, Proceedings of the Romanian Academy, Series A, vol. 15, nr. 3, 2014, pag. 292-299, ISSN 1454-9069, <https://acad.ro/sectii2002/proceedings/doc2014-3/10-Mitu.pdf>
9. *A statistical linearization method of hysteretic systems based on Rayleigh distribution* – T. Sireteanu, **O. Solomon**, A. M. Mitu, M. Giuclea, Proceedings of the Romanian Academy, Series A, vol. 14, nr. 4, 2013, pag. 431-441, ISSN 1454-9069 <http://www.acad.ro/sectii2002/proceedings/doc2013-4/10-Sireteanu.pdf>
10. *Analytical methods to assess linear models for experimental hysteretic loops* – T. Sireteanu, M. Giuclea, **O. Solomon**, Proceedings of the Romanian Academy, Series A, 12(1), 2011, pag. 39-46, ISSN 1454-9069, <http://www.acad.ro/sectii2002/proceedings/doc2011-1/06-Sireteanu.pdf>

### 2 Teza(-ele) de doctorat

T1. *Aplicarea teoriei ecuațiilor diferențiale stocastice la studiul comportării sistemelor dinamice cu perturbații aleatoare*, profesor coordonator Sireteanu Tudor, membru corespondent al Academiei Române

**3 Cărți/cursuri** publicate în edituri recunoscute (Ca1, Ca2 etc.), îndrumare publicate (I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, (D1, D2 etc.), după caz, prin care se aduc contribuții a dezvoltarea activităților didactice/profesionale.

Ca1. Cristina Coculescu, **Ovidiu Solomon**, Radu Despa, *Metode numerice*, Editura Universitară, 2013, ISBN 978-606-591-808-5

Ca2. **Ovidiu Solomon**, *Econometrie. Aplicații practice utilizând EVIEWS*, Editura Universitară, 2013, ISBN 978-606-591-705-7

Ca3. Radu Despa, Marilena Aura Din, Cristina Coculescu, Cătălina Vișan, **Ovidiu Solomon**, Carmen Tîrdă, Maria Gogăltan, Samuel Adam Altăr, *Matematici APLICATE în Economie*, Editura Universitară, 2012, ISBN 978-606-591-539-8

Ca4. Petre Caraiani, **Ovidiu Solomon**, Radu Despa, Marilena Aura Din, *Econometrie*, Editura Universitară, 2010, ISBN: **978-973-749-869-4**

Ca5. Petre Caraiani, **Ovidiu Solomon**, Radu Despa, *Econometrie aplicată*, Editura Universitară, 2008, ISBN: **978-973-749-584-6**

**4 Cărți de specialitate** publicate în edituri recunoscute (Cb1, Cb2 etc.), **articole/studii** publicate in extenso în reviste de specialitate de circulație internațională recunoscute (reviste cotate ISI sau indexate în baze de date internaționale specifice domeniului)(R11, R12etc.), **articole/studii in extenso** publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din

străinătate (cu ISSN/ ISBN)(Vi1,Vi2 etc.), precum și **alte lucrări similare**: articole/studii publicate in extenso în reviste de specialitate de circulație națională recunoscute CNCSIS (Rn1, Rn2 etc.), articole/studii publicate in extenso în volumele unor manifestări științifice naționale (cu ISSN/ISBN)(Vn1,Vn2 etc.), lucrări prezentate la diferite seminarii/expoziții, inovații etc.(E1, E2 etc.), după caz, prin care se aduc contribuții la dezvoltarea domeniului.

Ri1. *Theory of (1+1) ES on the RIDGE* - A. Agapie, **O. Solomon**, M. Giuclea, IEEE Transactions on Evolutionary Computation, 2021, Electronic ISSN: 1941-0026, doi:10.1109/TEVC.2021.3111232, <https://ieeexplore.ieee.org/document/9531957>

Ri2. *Application of a novel linearization method to compare the on-off control strategies modeled by piecewise linear systems* -T. Sireteanu, **O. Solomon**, AM. Mitu, M. Giuclea, Journal of Vibration and Control, 26(23–24) 2125–2135, 2020, ISSN: 1077-5463 <https://journals.sagepub.com/doi/abs/10.1177/1077546320915331>

Ri3. *A Linearization Method of Piecewise Linear Systems Based on Frequency Domain Characteristics With Application to Semi-Active Control of Vibration* - T. Sireteanu, **O. Solomon**, A. M. Mitu, M. Giuclea, 140(6), Journal of Vibration and Acoustic, pag. 1-14, 2018, ISSN: 1048-9002, <https://asmedigitalcollection.asme.org/vibrationacoustics/article-abstract/140/6/061006/449608>

Ri4. *Statistical Linearization of Hysteretic Systems Described by the Ramberg-Osgood Model*- A. M. Mitu, T. Sireteanu, M. Giuclea, **O. Solomon**, Journal of Engineering Mechanics 142(9), 04016066, 2016, ISSN: 0733-9399, [https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)EM.1943-7889.0001122](https://ascelibrary.org/doi/abs/10.1061/(ASCE)EM.1943-7889.0001122)

Ri5. *Simulation of Wide-Sense Stationary Random Time-Series With Specified Spectral Densities*- A. M. Mitu, T. Sireteanu, M. Giuclea, **O. Solomon**, Journal of Vibration and Acoustic, 138(3), pag. 1-12, 2016, ISSN: 1048-9002, <https://asmedigitalcollection.asme.org/vibrationacoustics/article-abstract/138/3/031011/472577>

Ri6. *A comparative study of the dynamic behavior of Ramberg-Osgood and Bouc-Wen hysteresis models with application to seismic protection devices* – T. Sireteanu, A. M. Mitu, M. Giuclea, **O. Solomon**, Engineering Structures, vol. 76, 2014, pag. 255-269, ISSN 0141-0296, <http://www.sciencedirect.com/science/article/pii/S0141029614004039>

Ri7. *Analytical method for fitting the Ramberg-Osgood model to given hysteresis loops*- T. Sireteanu, A. M. Mitu, M. Giuclea, **O. Solomon**, D. Stefanov, Proceedings of the Romanian Academy, Series A, vol. 15, nr. 1, 2014, pag. 35–42, ISSN 1454-9069. <http://www.acad.ro/sectii2002/proceedings/doc2014-1/05-Sireteanu.pdf>

Ri8. *Generation of stationary Gaussian time series compatible with given power spectral density* - M. Giuclea, A. M. Mitu, **O. Solomon**, Proceedings of the Romanian Academy, Series A, vol. 15, nr. 3, 2014, pag. 292-299, ISSN 1454-9069, <https://acad.ro/sectii2002/proceedings/doc2014-3/10-Mitu.pdf>

Ri9. *A statistical linearization method of hysteretic systems based on Rayleigh distribution* – T. Sireteanu, **O. Solomon**, A. M. Mitu, M. Giuclea, Proceedings of the Romanian Academy, Series A, vol. 14, nr. 4, 2013, pag. 431-441, ISSN 1454-9069 <http://www.acad.ro/sectii2002/proceedings/doc2013-4/10-Sireteanu.pdf>

Ri10. *Analytical methods to assess linear models for experimental hysteretic loops* – T. Sireteanu, M. Giuclea, **O. Solomon**, Proceedings of the Romanian Academy, Series A, 12(1), 2011, pag. 39-46, ISSN 1454-9069 <http://www.acad.ro/sectii2002/proceedings/doc2011-1/06-Sireteanu.pdf>

Ri11. *Consideration about the optimal exploitation domain of industrial dust remover with textile filter*, Serban Radu, Despa Radu, Coculescu Cristina, **Solomon Ovidiu**, Coculescu Corneliu, Economic Computation And Economic Cybernetics Studies And Research, Volume 41, Issue: 3-4 Pages: 87-96, 2007, ISSN 1842–3264, <http://www.ecocyb.ase.ro/contents,3-4,2007.pdf>

Rn1. *Determinants of Success in Graduation: An Empirical Study* - GIUCLEA, Marius; AGAPIE, Alexandru; BĂDIN, Luiza; DEDU, Silvia; MIRCIOI (VĂLIMĂRANU), Ileana; **SOLOMON, Ovidiu**; BITEȘ, Rareș, Revista de Management Comparat International, Vol. 22, Issue 4, pag. 579-589, 2021, ISSN 2601-0968

Rn2: *Analyzing Factors Accountable for Success in Completing University Studies* - Alexandru AGAPIE, Luiza BĂDIN, Silvia DEDU, Marius GIUCLEA, Ileana MIRCIOI (VĂLIMĂRANU), **Ovidiu SOLOMON**, Revista de Management Comparat International, Vol. 21, Iss. 3, pag. 423-431, 2020, ISSN 2601-0968

Rn3. *Stochastic linearization of systems with hysteretic characteristics* - **Ovidiu Solomon**, Ana Maria Mitu, Marius Giuclea, The Romanian Journal of Technical Sciences. Applied Mechanics, Vol. 59, No. 3, pag. 231-242, 2014

Rn4. *Some typical shapes of hysteretic loops using the Bouc-Wen model*, **O. Solomon**, Journal of Information Systems & Operations Management, 7(1), 1-9, 2013, ISSN, 2601-5811

Rn5. *On the vibration systems with degrading hysteretic characteristics*”, Ana-Maria Mitu, **Ovidiu Solomon**, Tudor Sireteanu, Scientific Bulletin of University Politehnica of Bucharest - Series D, Vol. 1, No. 73, pag. 63-71, 2011, ISSN 1454 - 2358

Rn6. *Study of the relationship between economic growth, volatility and innovation for the EU-27 and CEEC countries*”, **Ovidiu Solomon**, Judita Samuel, Adam Altăr-Samuel, The Proceedings of Journal ISOM, No. 1, Vol. 5, pag. 81-90, Editura Universitară, 2011, ISSN: 1843-4711

Rn7. *Statistical linearization method of Duffing oscillator under Gaussian white noise excitation*, **Ovidiu Solomon**, The Proceedings of Journal ISOM, Vol. 5, No. 2.1, pag. 513-518, 2011, ISSN 1843-4711

Rn8. *Comparative analysis of three simulation methods for band – limited white noise samples*, **Ovidiu SOLOMON**, Charles W. STAMMERS, Tudor SIRETEANU, SISOM 2011 and Session of the Commission of Acoustics, Bucharest 25-26 May, pag. 354-358, ISSN 1843-5459

Rn9: *Foreign Direct Investment and economic growth in Romania – an econometric analysis*, **Ovidiu Solomon**, Adam Altăr-Samuel, Judita Samuel, Revista Economică, Nr. 6(53) vol.2, pag. 311-320, 2010, ISSN 1582-6260

Rn10. *On the linearization of experimental hysteretic loops*, T. Sireteanu, M. Giuclea, **O. Solomon**, Revue Roumaine des Sciences Technique, Série Mécanique Appliquée, București, vol. 55, nr. 1, 2010, pag. 63-71, ISSN 0035-4074

Rn11. *The influence of the quantification mode to the simulation of economic processes*, Coculescu Cristina, Despa Radu, **Solomon Ovidiu**, Revista Economică, Nr. 5(52) vol.2, Pages 43-49, 2010, ISSN: 1582-6260

Rn12. *Impact of Consumption Models' Change on Sustainable Development in Romania*, Coculescu Cristina, **Solomon Ovidiu**, Altar-Samuel Adam, Global Business&Economics Anthology, Volume II, Pages 223-228, Business & Economics Society International, Worcester, USA, 2008, ISSN: 1553-1392

Rn13. *The New Enterprise - causes and effects on the informatics system*, Cristina Coculescu, George Carutasu, **Ovidiu Solomon**, Academic Journal Of Manufacturing Engineering Vol. 6, Issue 1/2008, pag. 53-58, Editura Politehnica Timișoara, ISSN: 1583-7904

Rn14. *Risk evaluation and consortium configuration in R&D partnership*, Luminita Horhota, Carutasu George, **Solomon Ovidiu**, Parjan Alexandru, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume VI (XVI), pag. 2336-2345, 2007, ISSN 1583-0691

**5. Citări ale lucrărilor publicate:** referința bibliografică a lucrării citate (Ci1, Ci2) și referința / ele bibliografică / e a / ale lucrării care citează (Ci1.1, Ci1.2...., Ci2.1, Ci2.2, etc.)

Ci1 *Theory of (1+1) ES on the RIDGE*, A. Agapie, **O. Solomon**, M. Giuclea, IEEE Transactions on Evolutionary Computation, 2021, Electronic ISSN: 1941-0026

Ci1.1 *Spherical Distributions Used in Evolutionary Algorithms*", Agapie, Alexandru, Mathematics 9, no. 23: 3098. 2021, ISSN 2227-7390

Ci2 *Application of a novel linearization method to compare the on-off control strategies modeled by piecewise linear systems*, T. Sireteanu, **O. Solomon**, AM. Mitu, M. Giuclea, Journal of Vibration and Control, 26(23–24) 2125–2135, 2020, ISSN: 1077-5463

Ci2.1 *Constraint optimization of nonlinear McPherson suspension system using genetic algorithm and ADAMS software*, Arash Vahedi, Ali Jamali, Journal of Vibration and Control, 2021, ISSN: 1077-5463

Ci3 *A Linearization Method of Piecewise Linear Systems Based on Frequency Domain Characteristics With Application to Semi-Active Control of Vibration* - T. Sireteanu, **O. Solomon**, A. M. Mitu, M. Giuclea, 140(6), Journal of Vibration and Acoustic, pag. 1-14, 2018, ISSN: 1048-9002

Ci3.1 *Performance of a friction ring DVA for vibration control of a flywheel*, He, Xiaodong; Huang, Xiuchang; Hua, Hongxing, INTER-NOISE and NOISE-CON Congress and Conference Proceedings, InterNoise21, Washington, D.C., USA, pages 1945-2948, 2021

Ci3.2 *Analysis of Integrate Semi-Active Control Vibration Isolation and Nonlinear Energy Harvesting*, International Journal of Mechanics Research, 8(2), 126-138, 2019, ISSN: 2325-498X

Ci3.3 *Modeling the semi-active base isolation systems with controllable dry friction using piecewise analytic functions*, GROZA, Ghiocel; SIRETEANU, Tudor; MITU, Ana-Maria; POP, Nicolae, Acta Electrotehnica Vol. 60, Issue 1/2, p29-36, 2019, ISSN 2344-5637

Ci4 *Simulation of Wide-Sense Stationary Random Time-Series With Specified Spectral Densities-* A. M. Mitu, T. Sireteanu, M. Giuclea, **O. Solomon**, Journal of Vibration and Acoustic, 138(3), pag. 1-12, 2016, ISSN: 1048-9002

Ci4.1 *Nonstationary Vibration Signal Analysis Using Wavelet-Based Time-Frequency Filter and Wigner-Ville Distribution*, Chang Xu, Cong Wang, Wei Liu, Journal of Vibration and Acoustics, vol. 138, nr. 5, 2016, ISSN: 1048-9002

Ci5 *A comparative study of the dynamic behavior of Ramberg-Osgood and Bouc-Wen hysteresis models with application to seismic protection devices*, T. Sireteanu, A. M. Mitu, M. Giuclea, **O. Solomon**, Engineering Structures, vol. 76, 2014, pag. 255-269, ISSN 0141-0296.

Ci5.1 *Test and evaluation of modified TADAS devices with different grades of steel*, L. Zongjing, S. Ganping, Earthquake Engineering and Engineering Vibration, 19, 451–464, 2020, ISSN 1993-503X

Ci5.2 *Generalized hyper-viscoelastic modeling and experimental characterization of unfilled and carbon black filled natural rubber for civil structural applications*, Wei Wei, Yong Yuan, Akira Igarashi, Hongping Zhu, KaitaoLuo, Construction and Building Materials, 253, 2020, ISSN: 0950-0618

Ci5.3 *A proposal for energy dissipative braces with U-shaped steel strips*, Farshad Taiyari Federico M. Mazzolani, Saman Bagheri, Journal of Constructional Steel Research, 154, 110-122, 2019, ISSN: 0143-974X

Ci5.4 *Seismic performance assessment of steel building frames equipped with a novel type of bending dissipative braces*, Taiyari Farshad, Mazzolani Federico M., Bagheri, Saman, Steel and composite structures , 33(4), 525-535, 2019, ISSN: 1229-9367

Ci5.5. *Development and simulation of magnetorheological damper for segment erector vibration control*, Yang, Bo; Zhang, Ao; Bai, Yan; et al., Transactions Of The Canadian Society For Mechanical Engineering, 43(2), 237-247, 2019, ISSN: 0315-8977

Ci5.6. *Hysteresis characterization and identification of the normalized Bouc-Wen model*, Li, Zongjing; Shu, Ganping, Structural Engineering And Mechanics, 70(2), 209-219, 2019, ISSN: 1225-4568

C5.7. *Parameter identification of degrading and pinched hysteretic systems using a modified Bouc-Wen model*, Matteo Pellicciari, Giuseppe Carlo Marano, Tommaso Cuoghi, Bruno Briseghella, Davide Lavorato, Angelo Marcello Tarantino, Structure and Infrastructure Engineering, 12(2), 1573-1585, 2018, ISSN: 1573-2479

Ci5.8 *Parametric identification of the Bouc-Wen model by a modified genetic algorithm: Application to evaluation of metallic dampers*, Shu, Ganping, Li, Zongjing, Earthquakes and Structures, 13(4), 397-407, 2017, ISSN: 2092-7614

Ci5.9 *Validation of the viscous-hysteretic equivalence hypothesis used in soil modelling*, D. Bratosin, T. Sireteanu, A. M. Mitu, Proceedings of the Romanian Academy, Series A, vol. 16, nr. 3, pg. 444-451, 2015, ISSN: 1454-9069

Ci5.10 *Passive and Semi-Active Bracing Systems for Seismic Protection: A Comparative Study*, Mitu, A.M., Sireteanu, T., Ghita, G., Romanian Journal of Acoustics and Vibration, Volume: 12 Issue: 1 Pages: 49-56, 2015, ISSN 1584-7284

- Ci6 *Analytical method for fitting the Ramberg-Osgood model to given hysteresis loops*, T. Sireteanu, A. M. Mitu, M. Giuclea, **O. Solomon**, D. Stefanov, Proceedings of the Romanian Academy, Series A, vol. 15, nr. 1, pag. 35–42, 2014, ISSN: 1454-9069
- Ci6.1 *Some Results in Green-Lindsay Thermoelasticity of Bodies with Dipolar Structure*, Marin, Marin; Craciun, Eduard M.; Pop, Nicolae, Mathematics, 8(4), 497, 2020, ISSN 2227-7390
- Ci6.2 *A proposal for energy dissipative braces with U-shaped steel strips*, Farshad Taiyari Federico M. Mazzolani, Saman Bagheri”, Journal of Constructional Steel Research, 154, 110-122, 2019, ISSN: 0143-974X
- Ci6.3 *Shear modulus reduction and damping ratio curves for earth core materials of dams*, Park, Dong Soon; Kishida, Tadairo, Canadian Geotechnical Journal, 56 (1), 14-22, 2019, ISSN: 00083674
- Ci6.4 *Energy absorption study considering crush test on carbon fiber/epoxy and carbon fiber/polyurethane structural composite beams*, R.M. Di Benedetto B.Z. (Gama) Haque, M.A.Ali, J. Tierney, D.Heider, Composite Structures, 203(1), 242-253, 2018, ISSN: 0263-8223
- Ci6.5 Prediction of fatigue crack growth life under variable-amplitude loading using finite element analysis”, Amina Remadi, Ahmed Bahloul, Chokri Bouraoui, Comptes Rendus Mécanique, 347(8), 576-587, 2019, ISSN: 1631-0721
- Ci6.6 *Seismic performance assessment of steel building frames equipped with a novel type of bending dissipative braces*, Farshad Taiyari, Federico M. Mazzolani and Saman Bagheri, Steel and Composite Structures 33 (4), 525-535, 2019, ISSN: 1229-9367
- Ci6.7 *Condition Monitoring of Flight Control Systems Based on Hysteresis Loops*, Xu Dong; Cunbao Ma; Zhiyu She; Guolei Xu; Zehai Gao, 2018 IEEE International Conference on Progress in Informatics and Computing (PIC), pag. 409-413, IEEE Xplore, 2019, ISBN:978-1-5386-7672-1
- Ci6.8 Estimation of Load Sequence Effect on Fatigue Crack Growth Life According to Various Prediction Models, . N. SavkinA. A. Sedov, V. Andronik, K. A. Badikov, Advances in Structural Integrity, pp 549-558, 2017, ISBN : 978-981-10-7196-6
- Ci6.9 Validation of the viscous-hysteretic equivalence hypothesis used in soil modelling – D. Bratosin, T. Sireteanu, A. M. Mitu, Proceedings of the Romanian Academy, Series A, vol. 16, nr. 3, pg. 444-451, 2015, ISSN: 1454-9069
- Ci7 *Generation of stationary Gaussian time series compatible with given power spectral density* , M. Giuclea, A. M. Mitu, **O. Solomon**, Proceedings of the Romanian Academy, Series A, vol. 15, nr. 3, 2014, pag. 292-299, ISSN: 1454-9069
- Ci7.1 *Random Noise Generation Using Fourier Series*, Jared A. Grauer, Journal of Aircraft , 2018, ISSN: 0021-8669
- Ci7.2 *Random vibration fatigue analysis of a notched aluminum beam*, G. Teixeira, International Journal of Mechanical Engineering and Automation, vol. 2, no. 10, pp. 425–441, 2015, ISSN: 2333-9187
- Ci7.3 Veloso, Deep convolutional autoencoder for eeg noise filtering, N. M. N. Leite, E. T. Pereira, E. C. Gurjao, L. R., IEEE International Conference on Bioinformatics and Biomedicine (BIBM), pp. 2605–2612, IEEE, 2018, ISBN:978-1-5386-5488-0
- Ci8 *Some typical shapes of hysteretic loops using the Bouc-Wen model*, O. Solomon, Journal of Information Systems & Operations Management, 7(1), 1-9, 2013, ISSN (print/electronic): 1843-4711
- Ci8.1 *Linear disturbance observer based sliding mode control for active suspension systems with non-ideal actuator*, Utkarsh S.Pusadkar, Sushant D. Chaudhari, P. D. Shendge, S. B. Phadke, Journal of Sound and Vibration, 442, 428-444, 2019, ISSN: 0022-460X
- Ci8.2 *Analyzing the Classical and Extended Bouc-Wen Model Parameters*, T. Yu. Zablotskaya, 2020 2nd International Conference on Control Systems, Mathematical Modeling, Automation and Energy Efficiency (SUMMA), IEEE Xplore, pag. 576 – 581, 2020, ISBN:978-1-7281-8840-9

#### Notă

- (1) Fiecare lucrare este prezentată, în limba în care a fost publicată/expusă, corespunzător structurii “ I, II, III, IV, V, VI, VII ”, unde: I este indicativul (T1, T2 etc.; Ca1, Ca2 etc.; ...), care se scrie “bold” la lucrările realizate după acordarea ultimului titlu didactic/grad profesional(**Ca1, II** etc., după caz); II - autorii în ordinea din publicație, cu scriere “bold” a **candidatului**; III – titlul, scris “italic”; IV - editura sau revista sau manifestarea și/sau alte elemente de localizare, după caz; V - intervalul de pagini din publicație, respectiv, pp ...-..., numărul total de pagini, respectiv, ... pg., sau alte date similare, după caz; VI - anul sau perioada de realizare, după caz.; VII – ISSN (pentru reviste) sau ISBN (pentru cărți, manuale, tratate, volumele unor manifestări științifice, etc).
- (2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; ...), lucrările sunt în ordine invers cronologică.

**Candidat,**  
**Lector dr. Solomon Ovidiu**