

Data09.01.2024.....

Concurs pentru ocuparea postului deAsistent universitar....., poz. ...148.....
 DepartamentulInformatică și Cibernetică Economică.....
 Disciplinele:Baze de date și Pachete Software.....
 Domeniul:Informatică Economică.....
 post publicat în Monitorul Oficial al României nr. 438 din 29.11.2023.

LISTA DE LUCRĂRI

Candidat: ...Dobrița A. Gabriela..... - **Dr.**/din 2023,/din
 (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. Dragos-Cătălin Barbu; GABRIELA DOBRIȚA; Simona-Vasilica Oprea; Adela Bâra - Challenges and benefits of Blockchain-based Electronic Voting System, ROMANIAN JOURNAL OF INFORMATION TECHNOLOGY AND AUTOMATIC CONTROL-REVISTA ROMANA DE INFORMATICA SI AUTOMATICA, INST NATL CERCETARE-DEZVOLTARE INFORMATICA-ICI, Volume no. 32, Issue no 4, pp 117-128, 2022, ISSN 1220-1758, <https://doi.org/10.33436/v32i4y202210>
2. Simona-Vasilica Oprea; Adela Bâra; Bogdan-George Tudorică; GABRIELA DOBRIȚA, Sustainable Development with Smart Meter Data Analytics Using NoSQL and Self- Organizing Maps, Sustainability Volume 12, Issue no. 8, 2020, Article no. 3442, eISSN 2071-1050. DOI: 10.3390/su12083442 (<https://doi.org/10.3390/su12083442>)
3. Simona-Vasilica Oprea; Adela Bâra; GABRIELA DOBRIȚA, A horizontal tuning framework for machine learning algorithms using a microservice-based architecture, Studies in Informatics and Control, ISSN 1220-1766, vol. 32(3), pp. 31-43, 2023. <https://doi.org/10.24846/v32i3y202303>
4. Gabriela Dobrița; Adaptive Microservices for Dynamic E-commerce: Enabling Personalized Experiences through Machine Learning and Real-time Adaptation, Economic Insights – Trends and Challenges, Volume no.12/1, pp 95-103, 2023, ISSN 2284-8576. DOI: <https://doi.org/10.51865/EITC.2023.01.08>
5. GABRIELA DOBRIȚA; Adela Bâra; Simona-Vasilica Oprea; Costin Baroiu; Dragos-Cătălin Barbu - Mobility, COVID-19 cases and virus reproduction rate data analysis for Romania using Machine Learning Algorithms, 2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), International Conference on System Theory Control and Computing, Sinaia, România, pp 244-25, 2022, ISBN 978-1-6654-6746-9, DOI: <http://dx.doi.org/10.1109/ICSTCC55426.2022.9931806>
6. Costin Baroiu; GABRIELA DOBRIȚA - Twitter Sentiment and Bitcoin Price - Is there a connection? 2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), International Conference on System Theory Control and Computing, 26th International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, România, pp 258-262, 2022, ISSN 2372-1618, DOI: 10.1109/ICSTCC55426.2022.9931814
7. Simona-Vasilica Oprea; Adela Bâra; GABRIELA DOBRIȚA - Machine Learning Algorithms and Time Series Feature Extraction Library for Electricity Consumption Fraud Detection in Smart Grids, 2021 25TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), International Conference on System Theory Control and Computing, pp 510-514, 2021, ISBN 978-1 6654 1496-8, ISSN 2372-1618, DOI: 10.1109/ICSTCC52150.2021.9607308
8. Simona-Vasilica Oprea; Adela Bâra; Cătălin Ceaparu; Anca-Alexandra Ducman; Vlad Diaconița; GABRIELA DOBRIȚA, Insights with Big Data Analysis for Commercial Buildings Flexibility in the Context of Smart Cities, PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON SMART CITIES AND GREEN ICT SYSTEMS (SMARTGREENS), 10th International Conference on Smart Cities and Green ICT Systems

(SMARTGREENS), Prague, Czech Republic, pp 118-124, 2021, ISBN 978-989-758-512-8, DOI: 10.5220/0010409801180124

9. Anca Ducman, Simona-Vasilica Oprea , Adela Bâra , Gabriela DOBRIȚA, Cătălin Ceaparu - Analyzing the impact of nonformal education in wine marketing, 15th International Technology, Education and Development Conference, INTED, Valencia, Spain, INTED Proceedings, pg. 20-25, 2021, ISBN 978-84-09-27666-0, <https://iased.org/inted/>, DOI: [10.21125/inted.2021.0333](https://doi.org/10.21125/inted.2021.0333)
10. Simona-Vasilica Oprea, Adela Bâra , Gabriela DOBRIȚA - Big data solutions for extracting load flexibility potential and assessing benefits, The 7th international symposium on electrical and electronics engineering, ISEEE, Galati, România , <https://ieeexplore.ieee.org/xpl/conhome/9628145/proceeding>, pp. 1-6, 2020, ISBN 978-1- 6654-3799-8, <http://www.iseee.ugal.ro/>, DOI:10.1109/ISEEE53383.2021.9628540

2 Teza de doctorat

T1. Tehnici și algoritmi de Machine Learning pentru analiza volumelor mari de date

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.

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)(Ri1, Ri2etc.), **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 CNCIS (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. Simona-Vasilica Oprea; Adela Bâra; Bogdan-George Tudorică; **GABRIELA DOBRIȚA**, *Sustainable Development with Smart Meter Data Analytics Using NoSQL and Self- Organizing Maps*, Sustainability Volume 12, Issue no. 8, 2020, Article no. 3442, eISSN 2071-1050. DOI: 10.3390/su12083442 (<https://doi.org/10.3390/su12083442>), WOS:000535598700375

Ri2. Simona-Vasilica OPREA, Adela BÂRA, **Gabriela DOBRIȚA (ENE)**, Dragoș-Cătălin BARBU - *A Horizontal Tuning Framework for Machine Learning Algorithms Using a Microservice-based Architecture*, International Studies in Informatics and Control, ISSN 1220-1766, vol. 32(3), pp. 31-43, 2023. <https://doi.org/10.24846/v32i3y202303>, WOS:001089145600003

Vi1. Dragoș-Cătălin Barbu; **GABRIELA DOBRIȚA**; Simona-Vasilica Oprea; Adela Bâra - *Challenges and benefits of Blockchain-based Electronic Voting System*, ROMANIAN JOURNAL OF INFORMATION TECHNOLOGY AND AUTOMATIC CONTROL-REVISTA ROMANA DE INFORMATICA SI AUTOMATICA, INST NATL CERCETARE-DEZVOLTARE INFORMATICA-ICI, Volume no. 32, Issue no 4, pp 117-128, 2022, ISSN 1220-1758, <https://doi.org/10.33436/v32i4y202210>

Vi2. **Gabriela Dobrița**; *Adaptive Microservices for Dynamic E-commerce: Enabling Personalized Experiences through Machine Learning and Real-time Adaptation*, Economic Insights – Trends and Challenges, Volume no.12/1, pp 95-103, 2023, ISSN 2284-8576. DOI: <https://doi.org/10.51865/EITC.2023.01.08>

Vi3. **GABRIELA DOBRIȚA**; Adela Bâra; Simona-Vasilica Oprea; Costin Baroiu; Dragoș-Cătălin Barbu - *Mobility, COVID-19 cases and virus reproduction rate data analysis for Romania using Machine Learning Algorithms*, 2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), International Conference on System Theory Control and Computing, Sinaia, România, pp 244-25, 2022, ISBN 978-1-6654-6746-9, DOI: <http://dx.doi.org/10.1109/ICSTCC55426.2022.9931806>

Vi4. Costin Baroiu; **GABRIELA DOBRIȚA** - *Twitter Sentiment and Bitcoin Price - Is there a connection?* 2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), International Conference on System Theory Control and Computing, 26th International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, România, pp 258-262, 2022, ISSN 2372-1618, DOI: 10.1109/ICSTCC55426.2022.9931814

Vi5. Simona-Vasilica Oprea; Adela Bâra; **GABRIELA DOBRIȚA** - *Machine Learning Algorithms and Time Series Feature Extraction Library for Electricity Consumption Fraud Detection in Smart Grids*, 2021 25TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), International Conference on System Theory Control and Computing, pp 510-514, 2021, ISBN 978-1 6654 1496-8, ISSN 2372-1618, DOI: 10.1109/ICSTCC52150.2021.9607308

Vi6. Simona-Vasilica Oprea , Adela Bâra , **Gabriela Dobrița Ene** - *Big data solutions for extracting load flexibility potential and assessing benefits*, THE 7TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING, ISEEE, 10/18/2021, Galati, România, publicat in <https://ieeexplore.ieee.org/xpl/conhome/9628145/proceeding>, pg. 1-6, ISSN , ISBN 978-1-6654-3799-8, conferinta Internationala, <http://www.iseee.ugal.ro/>, DOI: 10.1109/ISEEE53383.2021.9628540

Vi7. Simona-Vasilica Oprea, **Gabriela DOBRIȚA**, Anca-Alexandra Ducman, Cătălin Ceaparu - *Multi-processing data analysis for the residential load flexibility in smart cities*, International Conference on Business Excellence, ICBE, Bucharest, Romania, Proceedings of the International Conference on Business Excellence, pg. 1-1, 2021, ISSN 2558-9652

Vi8. Simona-Vasilica Oprea, Adela Bâra, Cătălin Ceaparu, Anca Ducman, Vlad Diaconița, **Gabriela Dobrița Ene** - *Insights with big data analysis for commercial buildings flexibility in the context of smart cities*, 10th International Conference on Smart Cities and Green ICT Systems, SMARTGREENS, 4/28/2021, Prague, Czech Republic, published in Proceedings of the 10th International Conference on Smart Cities and Green ICT Systems 2021, pg. 118-124, ISSN , ISBN 978-989-758-512-8

Vi9. Anca Alexandra Ducman, Simona Vasilica Oprea, Adela Bâra, **Gabriela (ENE) DOBRIȚA**, Catalin Ceaparu, Vlad Diaconita (2021) - *Analyzing the results of switching from traditional to online classes*, 15th International Technology, Education and Development Conference, INTED, 3/8/2021, Valencia, Spain, published in INTED Proceedings, pg. 10-16, ISBN 978-84-09-27666-0, <https://iased.org/inted/>

Vi10. Anca Ducman, Simona-Vasilica Oprea, Adela Bâra, **Gabriela Dobrița Ene**, Cătălin Ceaparu, *Analyzing the impact of nonformal education in wine marketing*, 15th International Technology, Education and Development Conference, INTED, 3/8/2021, Valencia, Spain, publicat in INTED Proceedings, pg. 20-25, ISBN 978-84-09-27666-0, <https://iased.org/inted/>

Vi11. Adela Bâra, Simona-Vasilica Oprea, **Gabriela Ene**, *Mix-generation optimization for electricity market simulation*, The 6th International Scientific Conference, SEA-CONF 2020, 5/22/2020, Constanța, România published in The Scientific Bulletin of Naval Academy (SBNA), pg. 1-8, ISSN 2392-8956, <https://www.anmb.ro/ro/conferinte/sea-conf/>

Vi12. **Gabriela ENE** - *A Reinforcement Learning Approach for Smart Farming*, Database Systems Journal, vol. X/2019, (p. 3-12), 2019, ISSN 2069 – 3230

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. Simona-Vasilica OPREA, Adela BÂRA, Gabriela DOBRIȚA (ENE), Dragoș-Cătălin BARBU - *A Horizontal Tuning Framework for Machine Learning Algorithms Using a Microservice-based Architecture*, International Studies in Informatics and Control, ISSN 1220-1766, vol. 32(3), pp. 31-43, 2023. <https://doi.org/10.24846/v32i3y202303>, WOS:001089145600003

Ci1.1 Rodriguez-Bazan H, Sidorov G, Escamilla-Ambrosio PJ. *Android Malware Classification Based on Fuzzy Hashing Visualization*. Machine Learning and Knowledge Extraction. 2023; 5(4):1826-1847. <https://doi.org/10.3390/make5040088>

Ci2. Simona-Vasilica Oprea , Adela Bâra , Gabriela Dobrița Ene - *Big data solutions for extracting load flexibility potential and assessing benefits*, THE 7TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING, ISEEE, 10/18/2021, Galati, România, publicat in <https://ieeexplore.ieee.org/xpl/conhome/9628145/proceeding>, pg. 1-6, ISSN , ISBN 978-1-6654-3799-8, conferinta Internationala, <http://www.iseee.ugal.ro/>, DOI: 10.1109/ISEEE53383.2021.9628540

Ci2.1 Christoph Stach, Julia Bräcker, Rebecca Eichler, Corinna Giebler, Bernhard Mitschang: *Simplified Specification of Data Requirements for Demand-Actuated Big Data Refinement*. J. Data Intell. 3(3): 366-400 (2022), DOI: 10.26421/JDI3.3-5

Ci3. Simona-Vasilica Oprea; Adela Bâra; **GABRIELA DOBRIȚA** - *Machine Learning Algorithms and Time Series Feature Extraction Library for Electricity Consumption Fraud Detection in Smart Grids*, 2021 25TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), International Conference on System Theory Control and Computing, pp 510-514, 2021, ISBN 978-1 6654 1496-8, ISSN 2372-1618, DOI: 10.1109/ICSTCC52150.2021.9607308

Ci3.1 M. Ravinder and V. Kulkarni, "A Review on Cyber Security and Anomaly Detection Perspectives of Smart Grid," 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, 2023, pp. 692-697, doi: 10.1109/ICSSIT55814.2023.10060871.

Ci3.2 A. N. Alkuwari, S. Al-Kuwari and M. Qaraqe, "Anomaly Detection in Smart Grids: A Survey From Cybersecurity Perspective," 2022 3rd International Conference on Smart Grid and Renewable Energy (SGRE), Doha, Qatar, 2022, pp. 1-7, doi: 10.1109/SGRE53517.2022.9774221.

Ci4. Simona-Vasilica Oprea, Adela Bâra, Cătălin Ceaparu, Anca Ducman, Vlad Diaconița, Gabriela Dobrița Ene - Insights with big data analysis for commercial buildings flexibility in the context of smart cities, 10th International Conference on Smart Cities and Green ICT Systems, SMARTGREENS, 4/28/2021, Prague, Czech Republic, published in Proceedings of the 10th International Conference on Smart Cities and Green ICT Systems 2021, pg. 118-124, ISSN , ISBN 978-989-758-512-8

Ci4.1 S. V. Oprea, A. Bâra, V. Diaconita, C. Ceaparu and A. A. Ducman, "Big Data Processing for Commercial Buildings and Assessing Flexibility in the Context of Citizen Energy Communities," in IEEE Access, vol. 9, pp. 168715-168730, 2021, doi: 10.1109/ACCESS.2021.3137352.

Ci4.2 S. -V. Oprea, A. Bâra and G. D. Ene, "Big Data Solutions for Extracting Load Flexibility Potential and Assessing Benefits," 2021 7th International Symposium on Electrical and Electronics Engineering (ISEEE), Galati, Romania, 2021, pp. 1-6, doi: 10.1109/ISEEE53383.2021.9628540.

Ci5. Simona-Vasilica Oprea; Adela Bâra; Bogdan-George Tudorică; GABRIELA DOBRIȚA, Sustainable Development with Smart Meter Data Analytics Using NoSQL and Self-Organizing Maps, Sustainability Volume 12, Issue no. 8, 2020, Article no. 3442, eISSN 2071-1050. DOI: 10.3390/su12083442 (<https://doi.org/10.3390/su12083442>), WOS:000535598700375

Ci5.1 Umer Shahzad, Mahdi Ghaemi Asl, Mirela Panait, Tapan Sarker, Simona Andreea Apostu, Emerging interaction of artificial intelligence with basic materials and oil & gas companies: A comparative look at the Islamic vs. conventional markets, Resources Policy, Volume 80, 2023, 103197, ISSN 0301-4207, <https://doi.org/10.1016/j.resourpol.2022.103197>.

Ci5.2 Zarco-Periñán PJ, Martínez-Ramos JL, Zarco-Soto FJ. On the Remuneration to Electrical Utilities and Budgetary Allocation for Substation Maintenance Management. Sustainability. 2021; 13(18):10125. <https://doi.org/10.3390/su131810125>

Ci5.3 Muntean M, Dănișă D, Hurbean L, Jude C. A Business Intelligence & Analytics Framework for Clean and Affordable Energy Data Analysis. Sustainability. 2021; 13(2):638. <https://doi.org/10.3390/su13020638>

Ci5.4 C. Bucur, B. G. Tudorică, S. -V. Oprea, D. Nancu and D. M. Dușmănescu, "Insights Into Energy Indicators Analytics Towards European Green Energy Transition Using Statistics and Self-Organizing Maps," in IEEE Access, vol. 9, pp. 64427-64444, 2021, doi: 10.1109/ACCESS.2021.3075175.

Ci5.5 Bâra, A. and Oprea, S.-V. (2023), "What makes electricity consumers change their behavior? Influence of attitude and perceived impact of DR programs on awareness", Kybernetes, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/K-01-2023-0032>

Ci5.6 Grzegorz Chrobak, Tomasz Kowalczyk, Thomas B. Fischer, Katarzyna Chrobak, Szymon Szwedrański, Jan K. Kazak, Combining indicators for better decisions – Algorithms vs experts on lakes ecological status assessment, Ecological Indicators, Volume 132, 2021,108318, ISSN 1470-160X

etc.

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, I1** 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,

.....Dobrița Gabriela.....

