

LISTA DE LUCRĂRI ȘTIINȚIFICE

Candidat: Conferențiar universitar dr. Cătălin-Ioan VRABIE

Teza doctorat:

1. Titlul: *Creșterea transparenței în sistemul public prin e-guvernare*; Coordonator Prof. Univ. Dr. Ani Matei, SNSPA, București, 2012

Lucrări și studii publicate ca unic autor:

1. **Vrabie, C.**, (2024), *AI - de la idee la implementare. Traseul sinuos al Inteligenței Artificiale către maturitate*, ISBN: 978-606-26-1851-3, Editura Pro Universitaria, București, <https://www.ujmag.ro/drept/diverse/ai-de-la-idee-la-implementare-volumul-1-traseul-sinuos-al-inteligentei-artificiale-catre-maturitate-1>
2. **Vrabie, C.**, (2024; 2016), *Elemente de E-guvernare*, doua editii:
 - i. Editia a II-a, ISBN: 978-606-26-1889-6, Editura Pro Universitaria, București, 2024, <https://www.emag.ro/elemente-de-e-guvernare-editia-a-ii-a-catalin-vrabie-9786062618896/pd/D29D99YBM/>
 - ii. Editia I, ISBN: 978-606-647-986-8, Editura Pro Universitaria, București, 2016"
3. **Vrabie, C.**, (2023; 2014; 2013), *Elemente de IT pentru Administrația Publică*, trei editii:
 - i. Editia a III-a, ISBN 978-606-26-1828-5, Editura Pro Universitaria, Bucharest, 2023
 - ii. Editia a II-a, 2 volume. Vol 1, ISBN 978-606-26-0035-8, Editura Pro Universitaria, București, 2014, Vol 2, ISBN 978-606-26-0036-5, Editura Pro Universitaria, București, 2014
 - iii. Editia I, 2 volume. Vol 1, ISBN 978-606-647-595-2, Editura Pro Universitaria, București, 2013, Vol. 2, ISBN 978-606-647-596-9, Editura Pro Universitaria, București, 2013"
4. **Vrabie, C.**, *Studiu de impact "E-guvernarea în municipiile României" - Analiza orizontala a Web site-urilor primariilor oraselor din Romania*. ISSN 2360-5618, Editura Pro Universitaria, București, 2016. <https://www.smart-edu-hub.eu/publications/all>
5. **Vrabie, C.**, *Studiu de impact "E-guvernarea în municipiile României" - E-Government Best Cases - Cele mai interesante si mai de succes initiative regăsite în plan national si international*. ISSN 2360-5618, Editura Pro Universitaria, București, 2015. <https://www.smart-edu-hub.eu/publications/all>
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Cărți publicate în calitate de co-autor:

1. **Vrabie, C. (prim autor)**, Dumitrascu, E., *Smart Cities. De la Idee la implementare sau despre cum tehnologia poate da stralucire mediului urban [Smart Cities. From the idea to implementation or how technology can shape the urban environment]*, ISBN: 978-606-28-0833-4, ISBN: 978-606-94702-3-7, Universul Academic Publishing house & Universitara Publishing house, 2018
2. Tîrziu, A.M., **Vrabie, C.** *Education 2.0 Universities' E-Learning Methods*, ISBN:978-3-659-70559-5, LAP Lambert Academic Publishing, Germany, 2015

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1. **Vrabie, C.** (2024), *Machine Intelligence & Security for Smart Cities*, ISBN 978-606-26-1946-6, Editura Pro Universitaria, Bucuresti
2. **Vrabie, C.** (2024), *Smart cities (Orașul Inteligent), Sustainability and innovation*, ISBN 978-606-26-1935-0, Editura Pro Universitaria, Bucuresti
3. **Vrabie, C.;** Dincă, D. (2023), *Smart cities (Orașul Inteligent), Accelerating innovation*, ISBN 978-606-28-1715-2, Editura Universitara & Universul Academic, Bucuresti
4. **Vrabie, C.;** Bitoiu, T.; Iancu, D.-C.; Guest Editors, Special Issue "Accelerating Innovation" Smart Cities, ISSN: 2624-6511, MDPI - https://www.mdpi.com/journal/smartcities/special_issues/85X60IG2T6
5. **Vrabie, C.;** Dincă, D., (2022), *Smart cities (Orașul Inteligent), Speeding up history*, ISBN 978-606-28-1118-1, Editura Universitara & Universul Academic, Bucuresti
6. Brüggemann, S.; Kutlu, N.; Müller-Török, R.; Prosser, A.; Ručinská, S.; Szádeczky, T.; **Vrabie, C.**, (2022), *COUNTERFAKE. A scientific basis for a policy fighting fake news and hate speech*. ISBN: 978-3-7089-2274-4, Österreichische Computer Gesellschaft (OCG) | Austrian Computer Society, Vienna, (Austria)
7. **Vrabie, C.;** Dincă, D., (2021), *Smart cities (Orașul Inteligent), Spotlight 2030*, ISBN 978-606-28-1118-1, Editura Universitara & Universul Academic, Bucuresti
8. Dincă, D.; **Vrabie, C.** (2020), *Smart cities (Orașul Inteligent), Shaping the Cities of Tomorrow*, ISBN 978-606-28-1118-1, Editura Universitara & Universul Academic, Bucuresti
9. Dincă, D.; **Vrabie, C.;** Dumitrică, C. (2019), *Smart cities (Orașul Inteligent), Smart Solutions - From Design to Practice*, ISBN 978-606-28-1018-4, Editura Universitara & Universul Academic, Bucuresti
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13. Dincă, D.; **Vrabie, C.;** Dumitrică, C. (2015), *Orașul Inteligent*, ISBN 978-973-709-745-3, Editura

14. Dincă, D.; Dumitrică, C.; **Vrabie, C.** (2014), *Orașul Inteligent*, ISBN 978-973-709-701-9, Editura Economică, București

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1. **Vrabie, C.** , (2017), *The electronic world. Challenges for the local collectivities*, in: Nicolescu, C.; Manda, C.; Rădulescu, C. (eds.), *Public Policies in the Romanian local context*, ISBN 973-330-05928-3, Lambert Academic Publishing, Germania, pp. 103-126, https://www.researchgate.net/publication/315809875_The_electronic_world_Challenges_for_the_local_collectivities
2. **Vrabie, C.** (2012), *Digital Based Society Through Education*, in: *Social and Environmental Dimension of Sustainable Development: Alternative Models in Central and Eastern Europe*, Friedrich Ebert Stiftung e. V. Bratislava, ISBN 978-80-89149-30-8, pp. 312-334, <https://library.fes.de/pdf-files/bueros/slowakei/13517.pdf>
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4. **Vrabie, C.** (2008), *E-Government systems in Romania*, in: Pinteric, U.; Sinkovec, U. (eds.), *Information Society: Multidisciplinary Approaches*, publicat de Faculty of Applied Social Studies in Nova Gorica, ISBN 978-961-6718-08-0, pp. 211-226, <https://plus.cobiss.net/cobiss/adz/sl/bib/sskcel/240553216>
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Articole / studii publicate în jurnale științifice naționale și internaționale:

1. Pahontu, B.; Pana-Micu, F.; Mihaila G. M.; Movanu, L.; **Vrabie, C.** (2026). Using Sandboxes for Testing Decisions in the Public Sector. *Administrative Sciences*, 16(2), 75. <https://doi.org/10.3390/admsci16020075>, WOS: 001699717000001
2. **Vrabie, C.**, Krauze-Maślankowska, P., (2025) Comparative Smart City Governance. Lessons from Poland for Advancing Romania's Urban Digital Transformation. *Transylvanian Review of Administrative Sciences*, Special Issue, <https://doi.org/10.24193/tras.SI2025.9>, WOS: 001648067500009
3. Vangelov, N., **Vrabie, C.**, Petkova D. & Lyubenov L. (2025). Editorial: Artificial Intelligence in The Context of Marketing Communications. *Frontiers in Communication*, Volume 10 – 2025, <https://doi.org/10.3389/fcomm.2025.1714230>, WOS:001606598700001
4. **Vrabie, C.** From Presence to Performance: Mapping the Digital Maturity of Romanian Municipalities. *Administrative Sciences* 2025, 15, 147. <https://doi.org/10.3390/admsci15040147>, WOS:001474779400001.

5. **Vrabie, C.** *Electric Vehicles Optimism versus the Energy Market Reality*. Sustainability. 2022; 14(9):5388. <https://doi.org/10.3390/su14095388>, WOS:000796173300001
6. **Vrabie, C.** *Converting Municipal Waste to Energy through the Biomass Chain, a Key Technology for Environmental Issues in (Smart) Cities*. Sustainability 2021, 13, 4633. <https://doi.org/10.3390/su13094633>, WOS:000650910100001
7. Stoicescu, V.; Bițoiu, T.I.; **Vrabie, C.** *The Smart Community: Strategy Layers for a New Sustainable Continental Framework*. Smart Cities 2023, 6, 410–444. <https://doi.org/10.3390/smartcities6010020>, WOS:000941513800001
8. **Vrabie, C.** *E-Government 3.0: An AI Model to Use for Enhanced Local Democracies*. Sustainability 2023, 15, 9572. <https://doi.org/10.3390/su15129572>, WOS:001015667200001
9. Rahmat, A.F.; **Vrabie, C.**; Soesilo, G.B.; (2023) *Exploring the Cybercrime Prevention Campaign on Twitter: Evidence from the Indonesian Government*. Smart Cities and Regional Development (SCRD) Journal. 7, 2 (Jun. 2023), 9–24, DOI: <https://doi.org/10.25019/by45bd69>
10. Tîrziu, A.-M.; **Vrabie, C.** (2017). *Stimulating youth entrepreneurship in the public sector's organizations*. Global Journal of Sociology: Current Issues, 7(2), 110–115. <https://doi.org/10.18844/gjs.v7i2.2396>
11. **Vrabie, C.** (2017). *Informing citizens, building trust and promoting discussion*. Global Journal of Sociology: Current Issues, 6(2), 34–43. <https://doi.org/10.18844/gjs.v6i2.1481>
12. **Vrabie, C.**; Tîrziu, A. (2016), *The Technology Legal Framework Issues and Challenges in Romania* (October 27, 2016). Supliment Revista Romana de Drept European, Available at SSRN: <https://ssrn.com/abstract=2860547>
13. **Vrabie, C.** (2015), *Romanian Top Ten Smart Cities*. Romanian Review of European law, Available at SSRN: <https://ssrn.com/abstract=2686885>
14. **Vrabie, C.** (2013), *Increasing Transparency Through E-Communication Systems* (2013). HOLISTICA Journal of Business and Public Administration, Year 4, No. 1, Jan-June, <https://holisticajournal.ro/docs/7fb2a6f7f98750da1a512342dd625745.pdf>
15. **Vrabie, C.** (2013), *New Alley for E-Gov Websites – Open Source Platforms*. International Journal of Policy Studies, Vol.4, No.2, 2013, Available at SSRN: <https://ssrn.com/abstract=2673655>
16. **Vrabie, C.**, (2013). *"Developing Citizen Safety,"* Journal of Public Administration, Finance and Law, Alexandru Ioan Cuza University, Faculty of Economics and Business Administration, vol. 4(4), pp. 84-93, Dec. <https://ideas.repec.org/a/aic/jopafl/y2013v4p84-93.html>
17. **Vrabie, C.**; Antonie, C. (2013), *The Open-Source Alternative in E-Government*. AUDA, vol. 5, no. 1/2013, pp. 70-78, <https://journals.univ-danubius.ro/index.php/administratio/article/view/1897/1643>
18. **Vrabie, C.** (2012), *Citizen Goals Online*. Social Technologies, Mykolas Romeris University, Vilnius, Lithuania, ISSN 2029-7564, 2012, 2(1), p. 129-138., Available at SSRN: <https://ssrn.com/abstract=2673649>
19. **Vrabie, C.** (2012), *Romanian Egovernment Overview*, HOLISTICA Journal of business and public administration, Vol. 3, Nr. 1/2012, ISSN 2067-9785, pp. 64-73, <https://holisticajournal.ro/docs/3b0360836b61e6c669cb9d5abbe48e00.pdf>

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1. **Vrabie C.** (2025). Smart Governance in Romanian Municipalities: Progress, Challenges, and Opportunities. In: Schachtner, C. (eds) The European Smart City Movement. Springer, Cham. https://doi.org/10.1007/978-3-031-96700-9_15
2. **Vrabie C.** (2024), Smart-optimism. Uncovering the Resilience of Romanian City Halls in Online Service Delivery, CEE e|Dem and e|Gov Days 2024, Association for Computing Machinery (ACM), New York, United States, ISBN: 979-8-4007-1709-3, <https://doi.org/10.1145/3670243.3670260>
3. **Vrabie, C.** (2023). *Education 3.0 – AI and Gamification Tools for Increasing Student Engagement and Knowledge Retention*. In: Maślankowski, J., Marcinkowski, B., Rupino da Cunha, P. (eds) Digital Transformation. PLAIS EuroSymposium 2023. Lecture Notes in Business Information Processing, vol 495. Springer, Cham. https://doi.org/10.1007/978-3-031-43590-4_5
4. **Vrabie, C.** (2022). *Artificial Intelligence Promises to Public Organizations and Smart Cities*. In: Maślankowski, J., Marcinkowski, B., Rupino da Cunha, P. (eds) Digital Transformation. PLAIS EuroSymposium 2022. Lecture Notes in Business Information Processing, vol 465. Springer, Cham. https://doi.org/10.1007/978-3-031-23012-7_1, WOS:000986673300001
5. **Vrabie, C.** , (2022), *Deep Learning. Viitorul inteligenței artificiale și impactul acesteia asupra dezvoltării tehnologiei*, in: ”Smart cities” (Orașul Inteligent) Editia a X-a, ISBN 978-606-28-1715-2, Universitara Publishing House & Universul Academic Publishing House, Bucharest, 2023. <https://scrd.eu/index.php/scic/article/view/422>
6. Iancu, D., **Vrabie, C.** , Ungureanu, M. (2021), *Is blended-learning here to stay? Public administration education in Romania*, CEE e|Dem and e|Gov Days 2021, Österreichische Computer Gesellschaft, ISBN: 978-3-903035-30-0, ISSN: 2520-3401, DOI: <https://doi.org/10.24989/ocg.v341.4>
7. **Vrabie, C.** (2021). *Privacy versus Security – scenarios over Smart Societies*. E-Business Technologies Conference Proceedings, 1(1), 167–171. Retrieved from <https://ebt.rs/journals/index.php/conf-proc/article/view/45>
8. **Vrabie, C.** , (2020), *Smart Leadership – Examples of Best Practices in Governing Smart Cities*, in STRATEGICA, Preparing for Tomorrow, Today, ISBN: 978-606-749-508-9, published by Tritonic Publishing House, pp. 579-591, WOS:000654987700041, <https://strategica-conference.ro/wp-content/uploads/2022/04/44-1.pdf>
9. **Vrabie, C.** , (2020), *Partnership and governance for smart cities*, CEE e|Dem and e|Gov Days 2020, ISBN: 978-3-903035-27-0, published by the Austrian Computer Society, pp. 43-53; <https://doi.org/10.24989/ocg.v.338.3>
10. Neginraz P., **Vrabie, C.** (2020), *Multilayer Model of Assessing Track Two Diplomacy*, Proceedings of 7th ACADEMOS Conference 2020 International Conference, “Politics and Knowledge: New Trends in Social Research”, ISBN 979-12-80225-00-9, Filodiritto Publisher, Bologna (Italy), pp. 329-338, https://www.researchgate.net/publication/347445457_Multilayer_Model_of_Assessing_Track_Two_Diplomacy, WOS:000766316700037
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12. **Vrabie, C.**, (2019), *Technological Infrastructure for Building a Smart Ecosystem*, in STRATEGICA, Upscaling Digital Transformation in Business and Economics, ISBN: 978-606-749-428-0, published by Tritonic Publishing House, Gloucester, United Kingdom, pp. 695-702, <https://strategica-conference.ro/wp-content/uploads/2022/04/75.pdf>, WOS:000535852900075
 13. **Vrabie, C.**, (2019), *Smart Cities 2.0 – connected city, or how to use technologic infrastructure for improving the quality of life*, CEE e|Dem and e|Gov Days 2019, ISBN 978-3-7089-1898-3, published by the Austrian Computer Society, pp. 411-425, <https://doi.org/10.24989/ocg.v335.34>
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 16. **Vrabie, C.** (2018) *IoT and Its Role in Developing Smart Cities*. In: Wrycza S., Maślankowski J. (eds) Information Systems: Research, Development, Applications, Education. SIGSAND/PLAIS 2018. Lecture Notes in Business Information Processing, vol 333. Springer, Cham. https://doi.org/10.1007/978-3-030-00060-8_8, WOS:000463343100008
 17. Tîrziu, A.; **Vrabie, C.** (2018), “*The Role of Internet of Things in Developing Smart Cities*”, in: Central and Eastern European EDem and EGov Days 331 (July):265-74. ISBN (Österreichische Computer Gesellschaft): 978-3-903035-20-1, <https://doi.org/10.24989/ocg.v331.22>.
 18. **Vrabie, C.** ; Tîrziu, A. (2018), “*Top Ten Smart Cities in the World. What Do They Have in Common and How Can Eastern European Cities Use That?*”. Central and Eastern European EDem and EGov Days 331 (July):169-78. <https://doi.org/10.24989/ocg.v331.14>
 19. **Vrabie, C.** (2018), *Global Urbanization and the Need of Smart Cities Development*, in: Bratianu, C.; Zbucnea, A.; Vițelar, A. (eds.), Strategica, Challenging the Status Quo in Management and Economics, pp. 1175-1185. ISSN: 2392–702X. ISBN (E-book): 978-606-749-365-8. Tritonic Publishing House, Gloucester, United Kingdom, https://www.researchgate.net/publication/328379413_Strategica_2018_Challenging_the_Status_Quo_in_Management_and_Economics, WOS:000482078200100
 20. **Vrabie, C.**, (2017), *What is Still Lacking to Eastern European Countries?*, Proceedings of the International Conference Media and Information Literacy for Building Culture of Open Government, Khanty-Mansiysk, Russian Federation, 7–10 June 2016, ISBN 978-5-91515-070-3, publicat de Interregional Library Cooperation Centre, 2017, Moscow. http://www.ifapcom.ru/files/2017/izdania/UGRA_ENG_2017_web.pdf#page=179
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24. Tîrziu A.M., **Vrabie, C.** (2017), *Living labs – instruments of social innovation in rural areas*, CEE e|Dem and e|Gov Days 2017, ISBN 978-3-903035-14-0, published by the Austrian Computer Society, pp. 511-525; Available at SSRN: <https://ssrn.com/abstract=2992192>
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28. Tîrziu, A.; **Vrabie, C.** (2016). *NET Generation. Thinking outside the box by using online learning methods*. New Trends and Issues Proceedings on Humanities and Social Sciences, 2(7), 41–47. <https://doi.org/10.18844/gjhss.v2i7.1178>
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30. Tirziu, A.; Iordache, L.; **Vrabie, C.** , (2016), *Social Innovation in the Romanian Context – Case Study on the Country's City Halls* (2016). Proceedings of Third Academos Conference 2016, <https://publons.com/wos-op/publon/28833208/>, WOS:000391654100031
31. **Vrabie, C.** ; Tîrziu, A. (2016), *E-Participation – A Key Factor in Developing Smart Cities* (2016). EIRP Proceedings, 2016, SSRN: <https://ssrn.com/abstract=2804705>
32. **Vrabie, C.** , (2016), *Developing inter and intra-operability. One of the best Romanian Smart-City study case*, CEE e|Dem and e|Gov Days 2016, ISBN 978-3-903035-11-9, publicat de Austrian Computer Society, pp. 133-143; https://www.researchgate.net/publication/303172461_Developing_inter_and_intra-operability_One_of_the_best_Romanian_Smart-City_study_case
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35. Brosset, L.; **Vrabie, C.** (2015), *The Quality Initiative of E-Learning in Germany (QEG)- Management for Quality and Standards in E-Learning*, Procedia - Social and Behavioral Sciences, Volume 186, 2015, pp. 1146-1151, ISSN 1877-0428, <https://doi.org/10.1016/j.sbspro.2015.04.214>, WOS:000380499600177
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Declar pe proprie răspundere că datele prezentate mai sus sunt conforme cu realitatea.

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