

Lista de lucrări

O. LISTA DE LUCRĂRI CONSIDERATE RELEVANTE (R):

- R 1. Rusca, F.**, Rusca, A, Rosca, E, Coman, C, Burciu, S, Oprea, C, Evaluating the Influence of Data Entropy in the Use of a Smart Equipment for Traffic Management at Border Check Point, Machines, Volume:10 Issue: 10 WOS:000873052600001, FI=2,899, 2022
- R 2. Rusca, F.**; Popa, M; Rosca, E; Rusca, A; Rosca, M ; Dinu, O, Assessing the transit capacity of port shunting yards through discrete simulation, 2019, TRANSPORT PROBLEMS, Volume: 14 Issue: 4 Pages: 101-111, Accession Number WOS:000496814100009, FI=0.7, ISSN: 1896-0596
- R 3. Rusca, F.**, Popa, M, Rosca, E, Rosca, M; Rusca, A, Simulation model for maritime container terminal, TRANSPORT PROBLEMS Volume: 13 Issue: 4 Pages: 47-54, 2018, WOS:000453319700005, FI=0.7, ISSN: 1896-0596
- R 4. Rusca, F.**; Rosca, E; Costescu, D; Rusca, A; Rosca, M; Olteanu, S, The influence of storage area design on maritime container terminal capacity, MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VI (MODTECH 2018) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 400 Article Number: 082017, 2018, WOS=000461147400197, ISSN: 1757-8981.
- R 5. Rusca F.**, Rosca. E, Rusca A., Rosca M., Burciu S., The influence of transport network vulnerability for maritime ports, Modern Technologies In Industrial Engineering (Modtech2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, DOI: 10.1088/1757-899X/95/1/012080, WOS=000365128900080, ISSN: 1757-8981
- R 6. Ruscă, Florin**; Raicu, Serban; Rosca, Eugen; Rosca, Mircea; Burciu, Stefan Chapter Risk assessment for dangerous goods in maritime transport; Towards Green Marine Technology and Transport – Guedes Soares, Dejhalla & Pavleti (Eds); ISI; ISBN 978-1-138-02887-6/09/2015/Taylor & Francis Group, London; 669-674,;
- R 7. Rusca, F.**, Popa, M., Rosca, E., Rosca, M., Rusca, A., Capacity analysis of storage area in a maritime container terminal in Maritime Technology and Engineering III Proceedings of the 3rd International Conference on Maritime Technology and Engineering, Ed. Carlos Guedes Soares and T. A. Santos, pag 99-106,
- R 8. Rusca, F.**; Rosca, E.; Rusca, A. ; Rosca, M ; Burciu, S. Park and ride solution, a method to promote sustainable mobility, MANAGEMENT - THE KEY DRIVER FOR CREATING VALUE, Book Series: International Conference of Management and Industrial Engineering. 2015, WOS=000448633100075, ISSN: 2344-0937
- R 9.** Dinu, O, Rosca, E, Burciu, S, Oprea, C, Ilie, A , Stere, AS, **Rusca, F. (autor corespondent)** Integrative Framework for Platform-Based Business Models to Drive Climate Neutrality in Logistics, Sustainability, Volume 16, Issue 4, WOS:001172231700001, FI=3,9, 2024
- R 10.** Popa M, Rosca E, **Rusca F. (autor corespondent)** On Transport Network Reliability, Journal: Transport Problems -an International Scientific Journal, ISSN 1896-0596, Volume: 7; Issue: 3; pg 127-134, FI=0.7, WOS:000437589900014, 2012

I. TEZA DE DOCTORAT (T)

T.1. Ruscă, F., Titlul tezei: Fiabilitatea rețelelor de transport, îndrumător prof.dr.ing. Șerban Raicu, (2012)

II. CĂRȚI PUBLICATE (C)

Ca – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute.

Ca 1. Rusca, F., Ruscă, A., Rosca, M.A., Amenajări urbane și software pentru planning și design – manual didactic- Ed. PRINTECH, București, ISBN 978-606-23-1103-2 , 104 pg, 2020

Ca 2. Rusca, F., Rosca, E., Rosca, M.A., Programarea calculatoarelor- îndrumar de laborator , Ed. PRINTECH, București, ISBN 978-606-23-1107-0, 123 pg, 2020

Ca 3. Rosca, M., Rosca, E., **Rusca, F.**, Tehnici de programare , Ed. PRINTECH, București, ISBN 978-606-23-0382-2, 120 pg, 2015

Ca 4. Rusca, F., Ruscă, A., Dinu, O, Rosca, MA, Metode de analiză a fiabilității rețelelor de transport, Ed. PRINTECH, București, ISBN 978-606-23-1106-3, 140 pg, 2020

Cb - Cărți de specialitate publicate în edituri recunoscute (autor, coautor, editor).

Cb 1. I.Tanasuica, F.Ghionea, V.Dragu, N.M.Tanasuica, **F.V.Rusca**, A.Panica, A.Ilie, I.Bratu, Dictionar explicativ pentru stiinta si tehnologie Transporturi feroviare. Editura: A.G.I.R. Seria: DEX-ST Format: 17x24 cm Nr. pagini: 274 ISBN: 973-720-101-9, 2006

Cb 2. Rosca, MA, Dinu, O, **Rusca, F**, Fluxuri de trafic rutier, Ed. PRINTECH, București, ISBN 978-606-23-1104-9, 150 pg, 2020

Cb 3. Dinu, O, Rosca, MA, **Rusca, F**, Infrastructuri de transport. Indicatori. Performanță Ed. PRINTECH, București, ISBN 978-606-23-1105-6, 146 pg, 2020

Cc - Cărți publicate în alte edituri, cu ISBN.

Cc 1. Roșca E., **Ruscă F.**, Informatică și Cibernetică în Transporturi - îndrumar de laborator, CreateSpace Independent Publishing, 2013, ISBN 1482063573, 46 pag.

III. ALTE MATERIALE PUBLICATE (I,D)

I - Culegeri și Îndrumare publicate (separate în edituri cu ISBN și în tipografiile locale/de instituții sau de uz intern).

D - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.

D 1. Chapter Integrating short sea shipping (RO-RO) in the inbound automotive supply chains; Towards Green Marine Technology and Transport – Guedes Soares, Dejhalla & Pavleti (Eds); ISBN 978-1-138-02887-6/09/2015/Taylor & Francis Group, London; 661-667, authors Burciu, Ș; **Ruscă, F**; Costescu, D; Stoica, R; Dracsanu, V; (Indexată SCOPUS ca Book Chapter <https://www.scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85054375708&origin=resultslist&sort=plf-f&src=s&st1=rusca%2c+f&nlo=&nlr=&nls=&sid=64ffd02e3c836ec7ebda57aeff6a7f34&sot=b&sdt=cl&cluster=cosubtype%2c%22ch%22%2ct&sl=21&s=AUTHOR-NAME%28rusca%2c+f%29&relpos=0&citeCnt=0&searchTerm=>)

D 2. Chapter Risk assessment for dangerous goods in maritime transport; Towards Green Marine Technology and Transport – Guedes Soares, Dejhalla & Pavleti (Eds); ISI; ISBN 978-1-138-02887-6/09/2015/Taylor & Francis Group, London; 669-674, authors **Ruscă, F**; Raicu, S; Rosca, E; Rosca, M; Burciu, S; (Indexată SCOPUS ca Book Chapter <https://www.scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85054394306&origin=resultslist&sort=plf-f&src=s&st1=rusca%2c+f&nlo=&nlr=&nls=&sid=64ffd02e3c836ec7ebda57aeff6a7f34&sot=b&sdt=cl&cluster=cosubtype%2c%22ch%22%2ct&sl=21&s=AUTHOR-NAME%28rusca%2c+f%29&relpos=1&citeCnt=1&searchTerm=>)

D 3. Chapter Modelling and Simulation for Intermodal Transportation in Logistics Chains In Modern Trends and Research in Intermodal Transportation (pp. 1-49). Springer, Cham. (2022) Authors: Rosca, E.; Rusca, A.; Popa, M.; **Rusca, F**; Olteanu, S. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85123599835&origin=resultslist&sort=plf-f&src=s&sid=6ce3c4e3771afc3e6dc7e59a50b5089d&sot=b&sdt=cl&cluster=scosubtype%2C%22ch%22%2Ct&s=AUTH%28rusca+AND+f%29&sl=11&sessionSearchId=6ce3c4e3771afc3e6dc7e59a50b5089d&relpos=0>)

D 4. Chapter Discrete Simulation Model for Urban Passenger Terminals, Rusca, A., Rosca, E., **Rusca, F.**, Popa, M., Oprea, C., Dinu, O. (2021).. In: Petrović, M., Novačko, L. (eds) Transformation of Transportation. EcoProduction. Springer, Cham. https://doi.org/10.1007/978-3-030-66464-0_5

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta). *Se mentioneaza la fiecare lucrare includerea in Baza ISI [Accession Number, WOS=..., ultimul Factor Impact, ISSN] si/sau denumirea altei (altor) BDI.*

Ris 1. Rosca, E.; Oprea, F.C.; Ilie, A.; Burciu, S.; **Rusca, F**. Automated Parcel Locker Configuration Using Discrete Event Simulation. Systems 2025, 13, 613. doi: 10.3390/systems13070613 WOS: 001541912400001, Q1

Ris 2. Rosca, E.; **Rusca, F**; Carlan, V.; Stefanov, O.; Dinu, O.; Rusca, A. Assessing the Influence of Equipment Reliability over the Activity Inside Maritime Container Terminals Through Discrete-Event Simulation. Systems 2025, 13, 213. doi: 10.3390/systems13030213 WOS: 001453752900001, Q1

Ris 3. Dinu, O.; Rosca, E.; Burciu, S.; Oprea, C.; Ilie, A.; Stere, A.S.; **Rusca, F**. Integrative Framework for Platform-Based Business Models to Drive Climate Neutrality in Logistics. Sustainability 2024, 16, 1418. doi: 10.3390/su16041418 WOS:001172231700001, Q2

Ris 4. Dobrinoiu, RA; Chiva, IC; Semenescu, A., **Rusca, F**; Opran, CG. Modeling Pedestrian Flows for Designing a Transfer System with Moving Walkways. MACROMOLECULAR SYMPOSIA 2025, 414, 3. doi: 10.1002/masy.70062, WOS: 001510766200001

Ris 5. Rusca, F, Rusca, A, Rosca, E, Coman, C, Burciu, S, Oprea, C, Evaluating the Influence of Data Entropy in the Use of a Smart Equipment for Traffic Management at Border Check Point, Machines, Volume:10 Issue: 10 Accession Number WOS:000873052600001, **FI=2,899, Q2**

Ris 6. Dinu, O, Rosca, E, Burciu, S, Oprea, C, Ilie, A , Stere, AS, **Rusca, F. (autor corespondent)** Integrative Framework for Platform-Based Business Models to Drive Climate Neutrality in Logistics, Sustainability, Volume 16, Issue 4, Accession Number WOS:001172231700001, **FI=3,9, 2024 Q2**

Ris 7. Filimon, D., Rosca, E. **Rusca, F.**, Optimization of Fuel Consumption for an Offshore Supply Tug Using a Backtracking Algorithm, Sustainability, Volume 15, Issue 22, Accession Number WOS:001119622900001, **FI=3,9, 2023 Q2**

Ris 8. Rusca, F ; Popa, M ; Rosca, E ; Rosca, M; Rusca, A, Simulation model for maritime container terminal, TRANSPORT PROBLEMS Volume: 13 Issue: 4 Pages: 47-54, 2018, Accession Number WOS:000453319700005, **FI=0.7**, ISSN: 1896-0596

Ris 9. Rusca, F; Popa, M; Rosca, E; Rusca, A; Rosca, M ; Dinu, O, Assessing the transit capacity of port shunting yards through discrete simulation, 2019, TRANSPORT PROBLEMS, Volume: 14 Issue: 4 Pages: 101-111, Accession Number WOS:000496814100009, **FI=0.7**, ISSN: 1896-0596

Ris 10. Popa Mihaela, Rosca E, **Rusca F.** On Transport Network Reliability, Journal: Transport Problems -an International Scientific Journal, ISSN 1896-0596, Volume: 7; Issue: 3; 2012, pg 127-134, **FI=0.7**, WOS:000437589900014, 2012

Ris 11. Rosca, E, **Rusca, F**, Dinu, O, Burciu, S, Oprea, C, Ilie, A , Coman, C A MODERATION EFFECT OF ATMOSPHERIC CONDITIONS ON PM2.5 TRAFFIC RELATED CONCENTRATION, Romanian Journal of Transport Infrastructure, Volume 12, Issue 1, Accession Number WOS: 001082100400003, **FI=0.1**, 2023

Ris 12. Raicu, S, Costescu, D, Burciu, S, **Rusca, F**, Rosca, M, Road accident estimation model in urban areas, road accident estimation model in urban areas, TRANSPORT PROBLEMS, Volume: 11 Issue: 3 Pages: 33-42, DOI: 10.20858/tp.2016.11.3.4, Accession Number WOS:000409341400004, , ISSN: 1896-0596 **FI=0.7**

Ris 13. Popa, M, Rosca, E, **Rusca, F**, Costescu, D, Dragu, V, Transit Time Through The Border-Crossing Points: The Case Study Of The Eu's Road Bcp With Moldavia TRANSPORT PROBLEMS, Volume: 11, Issue: 2 Pages: 79-89, DOI: 10.20858/tp.2016.11.2.8, Accession Number WOS:000409340700008, **FI=0.7**, ISSN: 1896-0596

Ris 14. Rosca E., **Rusca F.**, Rosca M., How Green Are The Traffic Calming Methods?, Metalurgia International, Volume: 18 Issue: 4 Pages: 110-115, Published: 2013 Accession Number WOS:000315177400024, **FI=0,134**, ISSN 1582-2214

Ris 15. Stere, S, Rosca, E, Rosca, M, **Rusca, F**, Reorganizing Students Acces in University Politehnica of Bucharest Campus and Influences on Car Traffic Externalities, Romanian Journal of Transport Infrastructure, Volume 11, Issue 2, Accession Number WOS: 000943408600006, **FI=0.1**, 2022

Rio – Alte reviste de specialitate de circulație internațională.

Rns - Reviste de specialitate de circulație națională recunoscute de CNCSIS. Se mentioneaza Categoria CNCSIS.

Rno - Alte reviste de specialitate de circulație națională.

Vis- Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care

fac un proces de selectie a publicatiilor pe baza unor criterii de performanta. *Se mentioneaza la fiecare lucrare includerea in Baza ISI [ISI Proceedings, Accession Number, WOS=....., ISSN] si/sau denumirea altei (altor) BDI.*

Vis 1. Oprea, C, Ilie, A, Rosca, M, **Rusca, F**, Olteanu, S, Ilie, I, Road Traffic Accidents - Safety Analysis of Urban Travel with Two-Wheel Vehicles, 15TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING, Volume 386, Page 247-257, 2022 [ISI Proceedings, Accession Number WOS:000773080200024, ISSN 2367-3370]

Vis 2. Rosca, M, Rosca, E, Oprea, C, **Rusca, F**, Dinu, O, Rusca, A, The Effects of New Infrastructure on Traffic Dynamics. An Urban Simulated-Based Model, 15TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING, Volume 386, Page 236-246, 2022 [ISI Proceedings, Accession Number WOS: 000773080200023, ISSN 2367-3370]

Vis 3. Rusca, F; Rusca, A; Rosca, E; Rosca, M; Dinu, O; Ghionea, F, Algorithm for traffic allocation when are developed park and ride facilities, 2019, 12TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2018), Procedia Manufacturing, Volume: 32 Pages: 936-943, [ISI Proceedings, Accession Number, WOS=000471295800131, ISSN 2351-9789]

Vis 4. Oprea, C, Burciu, S, **Rusca, F**, Ilie, A, Dinu, O, Roman, A Computer simulation for improving the traffic in an urban intersection, INTERNATIONAL CONFERENCE ON TRAFFIC AND TRANSPORT ENGINEERING (ICTTE 2018), Page 88-94, 2018, [ISI Proceedings, Accession Number, WOS:000542956800013, ISBN 978-86-916153-4-5]

Vis 5. Rusca, F, Rosca, E, Popa, M, Rusca, A, Rosca, M, The failure analysis of handling process in maritime container terminal, INTERNATIONAL CONFERENCE ON TRAFFIC AND TRANSPORT ENGINEERING (ICTTE 2018), Page 298-304, 2018, [ISI Proceedings, Accession Number, WOS: 000542956800039, ISBN 978-86-916153-4-5]

Vis 6. Dinu, O, Rosca, E **Rusca, F**, Inland waterway ports characteristics relevant for classification methodology purpose In MARITIME TECHNOLOGY AND ENGINEERING 3, VOLS 1-2 (pp. 53-59) 2016, [ISI Proceedings, Accession Number, WOS=000588357400007, ISBN 978-1-4987-9593-7]

Vis 7. Ilie, A; Oprea, C; Olteanu, S; Dinu, O; **Rusca, F**, An heuristic model for port optimization, 2019, 12TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2018), Procedia Manufacturing, Volume: 32 Pages: 975-982, [ISI Proceedings, Accession Number, WOS=000471295800136, ISSN 2351-9789]

Vis 8. Rusca, A; **Rusca, F;** Rosca, E; Dragu, V; Rosca, M, Improving capacity of port shunting yard, Conference: 4th International Conference on Maritime Technology and Engineering (MARTECH) Location: Lisbon, PORTUGAL Date: MAY 07-09, 2018, PROGRESS IN MARITIME TECHNOLOGY AND ENGINEERING Pages: 35-42, 2018, [ISI Proceedings, Accession Number, WOS=000467268100005, ISBN:978-0-429-50529-4]

Vis 9. Dragu, V; Rosca, E; **Rusca, F;** Rusca, A; Roman, EA, Solutions for the port facilities development, MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VI (MODTECH 2018) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 400 Article Number: 082007, 2018, [ISI Proceedings, Accession Number, WOS=000461147400187, ISSN: 1757-8981]

Vis 10. Rusca, F; Rosca, E; Costescu, D; Rusca, A; Rosca, M; Olteanu, S, The influence of storage area design on maritime container terminal capacity, MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VI (MODTECH 2018) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 400 Article Number: 082017, 2018, [ISI Proceedings, Accession Number, WOS=000461147400197, ISSN: 1757-8981]

Vis 11. Dinu, O ; Dragu, V; **Rusca, F ;** Ilie, A; Oprea, C; Intermodal transport and distribution patterns in ports relationship to hinterland, IOP Conference Series-Materials Science and Engineering, Volume: 227, 2017, [ISI Proceedings, Accession Number, WOS=000409221600038, ISSN: 1757-8981]

Vis 12. Rusca, A, Popa, M, Rosca, E, Rosca, M, Dragu, V, **Rusca, F** Simulation model for port shunting yards MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING IV, PTS 1-7 Book Series: IOP Conference Series-Materials Science and Engineering Volume: 145, 2016, [ISI Proceedings, Accession Number, WOS=000396437600133, ISSN: 1757-8981]

Vis 13. Burciu, S, Popa, M, Rosca, E, **Rusca, F**, Costescu, D Location of Production Facilities in the Framework of Sustainable Development 9TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING, INTER-ENG 2015 Procedia Technology, Volume: 22 Pages: 274-281, 2016, [ISI Proceedings, Accession Number, WOS=000383949300039, ISSN: 2212-0173]

Vis 14. Costescu, D; Raicu, S; Rosca, M; Burciu, S; **Ruscă, F**; Using intersection conflict index in urban traffic risk evaluation; 9th International Conference Interdisciplinarity in Engineering INTER-ENG 2015 ; Tirgu-Mures, Romania, [ISI Proceedings, Accession Number, WOS=000383949300045, ISSN: 2212-0173]

Vis 15. Burciu S., Stefanica C., Rosca E., Dragu V., **Rusca F.**, Location of an intermediate hub for port activities, Modern Technologies In Industrial Engineering (Modtech2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, DOI: 10.1088/1757-899X/95/1/012064, [ISI Proceedings, Accession Number, WOS=000365128900064, ISSN: 1757-8981]

Vis 16. Roșca, E, Popa M., **Rusca F.**, Burciu, S. Testing market informational efficiency of Constantza Port Operators, ModTech International Conference 2015, June 17-20 Mamaia, România, published in under licence by IOP Publishing Ltd, IOP Conference Series: Materials Science and Engineering, Volume 95; doi:10.1088/1757-899X/95/1/012065, [ISI Proceedings, Accession Number, WOS=000365128900065, ISSN: 1757-8981]

Vis 17. **Rusca F.**, Rosca. E, Rusca A., Rosca M., Burciu S., The influence of transport network vulnerability for maritime ports, Modern Technologies In Industrial Engineering (Modtech2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, DOI: 10.1088/1757-899X/95/1/012080, [ISI Proceedings, Accession Number, WOS=000365128900080, ISSN: 1757-8981]

Vis 18. Olteanu, S; Popa, M; Burciu, S; **Rusca, F**; Mathematical modeling of a private intermodal terminal activity with preferential priorities flows, MANAGEMENT - THE KEY DRIVER FOR CREATING VALUE, Book Series: International Conference of Management and Industrial Engineering. 2015, [ISI Proceedings, Accession Number, WOS=000448633100028, ISSN: 2344-0937]

Vis 19. **Rusca, F**; Ghionea, F; Rosca, M; Popa, E., A solution for graphs with no redundant unique links MANAGEMENT - THE KEY DRIVER FOR CREATING VALUE, Book Series: International Conference of Management and Industrial Engineering. 2015, [ISI Proceedings, Accession Number, WOS=000448633100029, ISSN: 2344-0937]

Vis 20. **Rusca, F**; Rosca, E.; Rusca, A. ; Rosca, M ; Burciu, S. Park and ride solution, a method to promote sustainable mobility, MANAGEMENT - THE KEY DRIVER FOR CREATING VALUE, Book Series: International Conference of Management and Industrial Engineering. 2015, [ISI Proceedings, Accession Number, WOS=000448633100075, ISSN: 2344-0937]

Vis 21. Raicu, Ș; Dragu, V; Burciu, Ș; Costescu, D; **Ruscă, F**; Effects of facility location on urban road traffic; International Conference on Transport and Traffic Engineering; Belgrade, Serbia; 2014, [ISI Proceedings, Accession Number, WOS=000348569200025, ISBN:978-86-916153-2-1]

Vis 22. Rosca E., Costescu D., **Rusca F.**, Burciu S., Assessing The Effect Of Traffic Congestion On Greenhouse Gas Emissions, Proceedings Of The Second International Conference On Traffic And Transport Engineering (ICTTE), Pages: 979-987, 2014, [ISI Proceedings, Accession Number, WOS=000348569200120, ISBN:978-86-916153-2-1]

Vis 23. Popa, M, Raicu, S, Costescu, D, **Rusca, F**, Effects of a non-motorized transport infrastructure development in the Bucharest metropolitan area, SUSTAINABLE CITY IV : URBAN REGENERATION AND

SUSTAINABILITY, WIT Transactions on Ecology and the Environment, [ISI Proceedings, Accession Number, WOS=000240491500056, ISSN: 1743-3541]

Vi - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate;

Vn - Volumele unor manifestări științifice naționale.

V. BREVETE DE INVENȚIE / INOVAȚII (B,A)

B - Brevete de invenție.

A - Inovații și alte creații.

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obținute prin competiție, pe bază de contract/grant, în țară/străinătate (**Pn** – naționale, **Pi** - internaționale).

Pn 1. Proiect GEX2017 nr 65/25.09.2017 cod TR27-17-05 Simularea terminalelor de transport (director)

Pn 2. Proiect Dezvoltare produs software PITrun bazat pe algoritmi de rutare infrastructura rutiera de transport și de prelucrare a datelor în cloud, Contract nr 407/390083/21.03.2022, Beneficiar: PHIN TRANS Agency SRL (director)

Pn 3. Proiect Platforma inovativa pentru furnizarea și managementul serviciilor publice în orașele inteligente – “SMART HUB”. Contract nr 355/390031/27.09.2021, Beneficiar: Intelligent Convergent Solution (ICOS) SRL (manager)

Pn 4. Proiect Educație civică pentru colectarea selectivă a deșeurilor în campusurile universitare 92110/1.10.2008 Director de proiect din partea UPB – CCPCT Prof.ec.dr.ing. Eugen Rosca

Pn 5. Proiect Soluții interdisciplinare convergente în amenajarea TERitoriului și în structurarea sistemului de TRANSport, orientate către dezvoltarea durabilă și creșterea calității vieții (122/10.10.2005 CEEX) Director de proiect din partea UPB – CCPCT Prof.dr.ing. Serban Raicu

Pn 6. Proiect Promovarea MOBilitatii urbane DURabile în municipiul Bucuresti (104/03.10.2005 CEEX) Director de proiect din partea UPB – CCPCT Prof.dr.ing. Mihaela Popa

Pn 7. Proiect Cercetări pentru estimarea și creșterea performanțelor de siguranță intrinsecă a rețelelor traficului urban" -SAFENET- PN-II-PT-PCCA-2011-3.2-1439 (2012-2016), Director de proiect din partea UPB – CCPCT Conf.dr.ing. Dorinela Costescu

Pn 8. Proiect GEEX-UPB nr contract 346/2016, Modelare și simulare în transport intermodal și logistici urbane-Director de proiect S.l.dr.ing. Oana Dinu

Pn 9. Proiect GEEX-UPB nr contract 65/25.09.2017 cod TR27-17-05 Simularea fluxurilor de trafic - Director de proiect S.l.dr.ing. Aura Rusca

Pn 10. Proiect UPB-ARUT2018 nr contract 5/15.10.2018 TR30-18-01/2018 (TRUST) - Director de proiect Conf.dr.ing. Mircea Augustin Rosca

Pi 1. Proiect FLAVIA - Freight and Logistics Advancement in Central/South-East Europe - Validation of trade and transport processes, Implementation of improvement actions, Application of co-coordinated structures– 2CE189P2- 2010, funded by the European Regional Development Fund (with 14 partners in consortium and University of Applied Sciences, Wildau, Germany as lead partner), 2010-2013, Director de proiect din partea UPB – CCPCT Prof.dr.ing. Mihaela Popa

Pi 2. Proiect ACROSEE - Accessibility improved at border CROSSings for the integration of South East Europe - SEE/D/0093/3.3/X- finanțat prin programul SEE din ERDF (24 parteneri, coordonator C.E.I. Italy), Director de proiect din partea UPB, Prof.dr.ing. Mihaela Popa, 2012-2014

F – Alte lucrări de cercetare – dezvoltare

F 1. Proiect MC 2019, PN-III-P1-1.1-MC-2019-0042, Contract No 1/05.08.2019 UEFISCDI Global Challenges in Transport: Infrastructures Oxford Leadership Programme, (director)

F 2. Proiect MC 2017 cod PN-III-P1-1.1-MC-2017-0619 Contract No. 71/17.11.2017 UEFISCDI Training software transport modelling PTV-VISUM-London (director)

F 3. Proiect MC 2017 cod PN-III-P1-1.1-MC-2017-1932 Contract No. 470/18.12.2017 UEFISCDI Access research infrastructure of University of ZAGREB (director)

F 4. Proiect MC 2018 cod PN-III-P1-1.1-MC-2018-0146 Contract No. 2/12.06.2018 UEFISCDI Training software transport modelling PTV-VISUM-Karlsruhe (director)

F 5. Proiect Servicii pentru determinarea costului social mediu al unui accident soldat cu persoane decedate și a costului social mediu al unui accident grav. Contract nr. SAP 36/24.05.2024. Beneficiar Autoritatea Rutieră Română (director)

F 6. Proiect The railway survey 95/20.06.2007 Director de proiect din partea UPB – CCPCT Prof.dr.ing. Serban Raicu

F 7. Proiect Servicii de trafic Contract 3561/12.03.2008 Director de proiect din partea UPB – CCPCT Prof.dr.ing. Serban Raicu

F 8. Proiect Prestări servicii Petrom SA Contract nr. 8460010145/12.10.2009 Director de proiect din partea UPB – CCPCT Prof.dr.ing. Serban Raicu

F 9. Proiect Masuratori privind gradul de incarcare a vehiculelor ce deserveșc liniile de transport in comun pentru 80 de sectiuni ale rețelei stradale a mun. Buc. Contract Nr. 11033/21.04.2011, beneficiar SEARCH Corporation- Director de proiect din partea UPB – CCPCT: Prof.dr.ing. Serban Raicu

F 10. Proiect Elaborare Plan de Mobilitate Integrata in municipiul Dej, Contract nr.83/22.09.2015, finantat de Primaria Dej, Director de proiect din partea UPB – CCPCT Prof.ec.dr.ing. Eugen Rosca

F 11. Proiect Studiu de trafic pentru transportul judetean de persoane, Contract nr. 826/11.11.2009, beneficiar Univ. din Craiova și C.J. Dolj, Director de proiect din partea UPB – CCPCT, Prof.dr.ing. V. Dragu

12.02.2026

Prof.dr.ing. Florin Valentin RUSCĂ

