

LIST OF SCIENTIFIC PAPERS

PhD thesis

1. Boitor R.M., Alternative strategies for the urban mobility assessment in the municipality of Cluj-Napoca. Doctoral thesis. Technical University of Cluj-Napoca, November 2014. DOI: 10.13140/RG.2.1.4204.8487

Journals

1. Iliescu M., Boitor R.M., Mobility for wheelchair bounded people in the city of Cluj Napoca. Acta Technica Napocensis: Civil Engineering & Architecture Journal, Vol. 56, Part 1; ISSN 1221-5848, Nov. 2013 pg. 82-90, [http://constructii.utcluj.ro/ActaCivilEng/download/atn/ATN2013\(1\)_8.pdf](http://constructii.utcluj.ro/ActaCivilEng/download/atn/ATN2013(1)_8.pdf). Indexed COPERNICUS, getCITED, Electronic Journals Library, DOAJ, EBSCO
2. Boitor M., Antov D., Iliescu M., Antso I., Măe R., Sustainable urban transport planning. Romanian Journal Of Transport Infrastructure; Volume 2, 2013, Issue 1; ISSN 2286-2218 http://rjti.rs.utcb.ro/wp-content/uploads/2013/12/RJTI_vol2_2013_no1.pdf, Indexed in International Databases (Also included in the proceedings of The VI-th Edition of the International Scientific Conference Road Research And Dministration "C.A.R.", July 2013, Bucharest).
3. Boitor M., Antov D., Antso I., Iliescu M., Analyzing the transportation accessibility for the city of Cluj-Napoca, a sustainable approach, In Journal of International Scientific Publications: Ecology& Safety; Vol. 7, Part 2; ISSN 1313-2563, pg. 275-286, Indexed EBSCO, <http://www.scientific-publications.net/download/ecology-and-safety-2013-2.pdf>. (Also presented at the Ecology & Safety International Conference Bulgaria, 4-Apr. 2013 at the poster presentation session)

Conference Proceedings

1. Cadar R.D., Boitor R.M., GPS-based study on an interurban road connection, Advanced Engineering Forum, Vol. 21, pp 564-572, Trans Tech Publications, ISSN: 2234-991X, International Conference – Towards a Sustainable Urban Environment (EBUILT-2016), T9. Transportation Infrastructure Engineering, Nov. 2016, Iași, România
2. Macicasan T., Boitor R.M., Hojda C.I., Aspects regarding the use of bicycle as a reliable and safe means of transport in Cluj-Napoca (in Romanian), National Traffic Safety Symposium, Cluj-Napoca, Nov 2016. ISSN 2068-2727
3. Cadar R.D., Boitor R.M., Petrelli M., Urban mobility and road user behavior assessment, The 10th International Conference INTER-ENG 2016 Interdisciplinarity in Engineering 6 - 7 October 2016 "Petru Maior" University of Tîrgu-Mureș, Sustainable Development, Romania, Procedia Engineering, Elsevier, ISSN: 1877-7058
4. Cadar R.D., Boitor R.M., Petrelli M., Travel behavior assessment for improved urban mobility, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, Green

Design And Sustainable Architecture, SGEM2016 Conference Proceedings, ISBN 978-619-7105-69-8 / ISSN 1314-2704, June 28 - July 6, 2016, Book6 Vol. 2, 771-778 pp, DOI: 10.5593/SGEM2016/B62/S27.101, <http://www.sgem.org/sgemlib/spip.php?article8198&lang=en>, indexed in Web of Science, ELSEVIER, SCOPUS, EBSCOHost, ProQuest, Springer Nature (Poster presentation)

5. Boitor R.M., Cadar R.D., Iliescu M., Hoda G., Ciont N., Urban mobility indicators and road user behavior assessment by means of GPS technology in Cluj-Napoca, Romania. 6th European Conference of Civil Engineering (ECCIE '15), Budapest, December 12-14, 2015, WSEAS, Fluids, Heat and Mass Transfer, Mechanical and Civil Engineering, pp. 129-134, ISSN: 2227-4596, ISBN: 978-1-61804-358-0, Recent advances in Mechanical Engineering Series, Issue 17, <http://www.wseas.org/main/books/2015/Budapest/MECH.pdf>, Published by WSEAS Press, www.wseas.org, <http://www.wseas.us/e-library/conferences/2015/Budapest/MECH/MECH-21.pdf> Indexed in International Databases (<http://naun.org/cms.action?id=10639>)
6. Ciont N., Cadar R.D., Iliescu M., Boitor R.M., A polynomial short-term traffic flow prediction model. 6th European Conference of Civil Engineering (ECCIE '15), Budapest, December 12-14, 2015, WSEAS, <http://www.wseas.us/e-library/conferences/2015/Budapest/MECH/MECH-09.pdf> Indexed in International Databases (<http://naun.org/cms.action?id=10639>)
7. Cadar R.D., Iliescu M., Petrelli M., Ciont N., Boitor R.M., Travel behavior in Cluj-Napoca suburban area. 6th International Conference on Urban sustainability, cultural sustainability, green development, green structures and clean cars (uscudar '15), Rome, November 7-9, 2015, Volum 15 <http://www.wseas.us/e-library/conferences/2015/Rome/NRG/NRG-12.pdf>, Indexed in International Databases (<http://naun.org/cms.action?id=9998>)
8. Boitor R.M., Hojda C.I., Disabled people in traffic (in Romanian). National Traffic Safety Symposium, Cluj-Napoca, Nov 2015. ISSN 2069-749X
9. Boitor R.M., Cadar R.D., Nadasan A., Pedestrian crossings a necessity for traffic safety (in Romanian), National Traffic Safety Symposium, Cluj-Napoca, Nov 2015. ISSN 2069-749X
10. Marusceac V., Boitor R.M., Lupşa L.C., A study regarding public transport optimization by using dedicated lanes (in Romanian). The VII-th Edition of the Int. Scientific Conference Road Research And Administration "C.A.R.", July 2015, CONSPRESS, Bucharest, ISBN 978-973-100-290-3.
11. Cadar R.D., Boitor R.M., Detecting the urban mobility conditions using real time travel data (in Romanian). The VII-th Edition of the International Scientific Conference Road Research And Administration "C.A.R.", July 2015, CONSPRESS, Bucharest, ISBN 978-973-100-290-3.
12. Cadar R. D., Boitor R.M., Ciont N., Beca I. M., The influence of code modification in the calculus of road structures (in Romanian). Zilele Academice timișene – the XIVth Edition of the Road and Environment Symposium, Timișoara, May 2015. ISSN 2247-3807

13. Boitor R.M., Urban mobility investigation (in Romanian). National Traffic Safety Symposium, Cluj-Napoca, May 2015. ISSN 2069-749X
14. Boitor R.M., Iliescu M., Mobility Study in the Metropolitan Area of Cluj-Napoca. The 4th Annual International Conference on Civil Engineering, May 2014, Athens. Presented at the 4th Annual International Conference on Civil Engineering. (Also included in ATINER'S Conference Paper Series, No: CIV2014-0952, ISSN: 2241-2891, <http://www.atiner.gr/papers/CIV2014-0952.pdf>) (Also included in the book Urban Planning and Civil Engineering, edited by Virginia P. Sisiopiku and Ossama E. Ramadan 978-960-598-009-2, http://www.atiner.gr/docs/ALL_PUBLICATIONS.htm, <http://www.atiner.gr/docs/2015SISIOPIKU-CONT.htm>, 2015).
15. Boitor R.M., Iliescu M., Antov D., Rõuk H, Analyzing the Urban Mobility. The Case Study of Cluj-Napoca. C60 International Conference” Tradition and Innovation – 60 Years of Constructions in Transylvania”, Cluj-Napoca, November 2013 (Presented at the C60 poster session)
16. Boitor R.M., Antov D., Iliescu M., Antso I., Măe R. Sustainable urban transport planning. The VI-th Edition of the International Scientific Conference Road Research And Administration "C.A.R.", July 2013, Bucharest, CONSPRESS, ISBN 978-973-100-290-3. (Also in Romanian Journal Of Transport Infrastructure)
17. Boitor R.M., Antov D., Iliescu M. Considering the sustainable urban transport and mobility (in Romanian). National Traffic Safety Symposium, Cluj-Napoca, May 2013, ISSN 2069-749X.
18. Boitor R.M., Kuszalik J., Antov D., Iliescu M., Determining the data regarding the population in the urban transport planning process (in Romanian). National Traffic Safety Symposium, Cluj-Napoca, May 2013, ISSN 2069-749X.
19. Roib V.A., Boitor R.M., AVL tracking system for urban transportation in Cluj-Napoca (in Romanian). Materials and technologies in the construction and maintenance of roads and bridges. Cluj-Napoca, May 2012. ISSN 2068-2727
20. Boitor R.M., Ensuring safe and comfort mobility to people with locomotive disabilities (in Romanian). National Traffic Safety Symposium, Cluj-Napoca, November 2011. ISSN 2069-749X
21. Boitor R.M., Safe mobility of cyclists on the area of Cluj-Napoca (in Romanian). National Traffic Safety Symposium, Cluj-Napoca, November 2011. ISSN 2069-749X
22. Boitor R.M., Cadar R.D., Toşa C., Roughness-indicator for determining the technical state of the roads (in Romanian). Materials and technologies in the construction and maintenance of roads and bridges. Cluj-Napoca, May 2011. ISSN 2068-2727
23. Nutiu C.G.E., Boitor R.M., Using modern technology - Remote sensing satellite and aerial photography to study the route path (in Romanian). Materials and technologies in the construction and maintenance of roads and bridges. Cluj-Napoca, 2011. ISSN 2068-2727

24. Vacaru I.M., Boitor R.M., Possibilities for measuring distances using modern methods based on laser technology (in Romanian). National Traffic Safety Symposium, Cluj-Napoca, November 2010. ISSN 2069-749X
25. Boitor R.M., Cadar R.D., Effectiveness of roundabouts in road safety (in Romanian). National Traffic Safety Symposium, Cluj-Napoca, November 2010. ISSN 2069-749X
26. Marusceac V., Boitor R.M., Waste utilization in road infrastructure (in Romanian). Materials and technologies in the construction and maintenance of roads and bridges. Cluj-Napoca, May 2010. ISSN 2068-2727
27. Iliescu M., Buziaş L., Boitor R.M., Considerations on the economic aspects of supple road structures supple (in Romanian). Materials and technologies in the construction and maintenance of roads and bridges. Cluj-Napoca, May 2010. ISSN 2068-2727
28. Dragomir M.L., Boitor R.M., Modern solutions to protect road embankment (in Romanian). Materials and technologies in the construction and maintenance of roads and bridges. Cluj-Napoca, May 2010. ISSN 2068-2727
29. Boitor R.M., Urban transportation in Cluj-Napoca, car versus public transport (in Romanian). Materials and technologies in the construction and maintenance of roads and bridges. Cluj-Napoca, May 2010. ISSN 2068-2727

Poster Presentation

1. Boitor R.M., Antov D., Antso I., Iliescu M., Analyzing the transportation accessibility for the city of Cluj-Napoca, a sustainable approach. Presented at the Ecology & Safety International Conference Bulgaria, 4-Apr. 2013
2. Boitor R.M., Iliescu M., Antov D., Rõuk H., Analyzing the Urban Mobility. The Case Study of Cluj-Napoca. Presented at the poster session of the C60 International Conference „Tradition and Innovation – 60 Years of Constructions in Transylvania”, Cluj-Napoca, November 2013
3. Boitor R.M., Urban mobility and air quality in Cluj-Napoca. Presented at CODATU XVI, Energy, climate and air quality challenges: The role of urban transport policies in developing countries and emerging economies. Istanbul, February 2-5 2015.
4. Cadar R.D., Boitor R.M., Petrelli M., Travel behavior assessment for improved urban mobility, Presented at the 16th International Multidisciplinary Scientific GeoConference SGEM 2016, Green Design And Sustainable Architecture at the poster presentation session

Research, development, & innovation Projects

1. Traffic study in the commune of Moldoveneşti, Cluj. Member of the reasearch team; UTCN Contract no. 75/22.11.2016, 18.000 RON, Project manager Andrei Florin Clitan
2. Traffic counting on Bistriţa-Năsăud county roads. Member of the reasearch team; UTCN Contract no. 7136/07.05.2015, Project manager Gavril Hoda
3. ENSUF project pre-proposal SMILEE – Smart Metropolitan Innovation Lab in Eastern Europe, Call ERA-NET Cofund Smart Urban Futures, march 2015. Member of UTCN research team, project coordinator

4. H2020 project proposal IDEAS – Innovative Devices Enabling Advanced Safety, Research and Innovation actions Call MOBILITY FOR GROWTH 2014-2015, MG-3.4-2014. Score 7,5/8. Member of UTCN research team, part of an international consortium
5. H2020 project proposal eCoNecT – European Connectivity over Networks through Exchangeable Card Technologies, Collaborative Project – MOBILITY FOR GROWTH 2014-2015, MG-7.1-2014. Score 7/8. Member of UTCN research team, part of an international consortium
6. THE ISSUE (Traffic Health Environment Intellingent Slutions for Sustaining Urban Economies, Member of UTCN research team, Associated partner of the North West Development Region of Romania in THE ISSUE international consortium

Scientific Reports

1. Boitor R.M., First Research Report: The urban transport system and the urban mobility (in Romanian), January 2013
2. Boitor R.M., Second Research Report: Simulation and implementation of a urban mobility model (in Romanian), October 2013
3. Boitor R.M., Third Research Report: Presenting the findings obtained as a result of modelling (in Romanian), January 2014

Books, Chapters

1. Roads maintenance and rehabilitation. Laboratory works (in Romanian). Cadar Rodica Dorina, Boitor Rozalia Melania. UTPRESS, Cluj-Napoca, 2015
2. Urban Planning and Civil Engineering, edited by Virginia P. Sisiopiku and Ossama E. Ramadan, ISBN 978-960-598-009-2, Community Development, Activism, and Empowerment chapter includes the paper Mobility Study in the Metropolitan Area of Cluj-Napoca, Boitor R.M., Iliescu M., http://www.atiner.gr/docs/ALL_PUBLICATIONS.htm, <http://www.atiner.gr/docs/2015SISIOPIKU-CONT.htm>, 2015
3. Transportation engineering. Course (in Romanian). Boitor Rozalia Melania. Didatec education platform <http://www.didatec.ro/>. 33 pp., 2013
4. Transportation engineering. Applications (in Romanian). Boitor Rozalia Melania. Didatec education platform, <http://www.didatec.ro/>, 8 pp., 2013
5. Topography. Laboratory works (in Romanian). Roib Voichița, Oprîțoiu Petre, Boitor Melania. ISBN 978-973-662-679-1, UTPRESS, Cluj-Napoca, 2011

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