

Transport Problems

Volume 17 Issue 1



Problemy Transportu



GLIWICE 2022

CONTENTS

Page

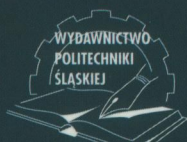
1. Hai D.T., Manh D.V., Nhat N.M.: Genetic algorithm application for optimizing traffic signal timing reflecting vehicle emission intensity	5
2. Hahn A., Frühling W., Schlüter J.: Determination of optimised pick-up and drop-off locations in transport routing – a cost distance approach.....	17
3. Asmael N.M., Waheed M.Q.: Equity of transit need in Baghdad City.....	29
4. Šimunović L., Protega V., Čosić M., Bandov D.: Vehicle relocation efficiency – a case study of the parking company in the City of Zagreb.....	39
5. Borucka A., Guzanek P.: Predicting the seasonality of passengers in railway transport based on time series for proper railway development.....	51
6. Gogiashvili P., Kbilashvili D., Chogovadze J., Lekveishvili G., Sirbiladze B.: Studying the dynamic system “tire-suspension-body” by the resonance method.....	63
7. Misiura K., Konieczny J., Labisz K., Boris R.: Investigations of the structure and hardness of dissimilar steel-to-aluminum joints made using laser welding technology	73
8. Grunewald E., Rudolph F., Tremer D.: Approach method for flexible reallocation of reserved seats on long - distance trains.....	87
9. Bartuska L., Stopka O., Hanzl J., Sedivy J., Rybicka I.: Changes in transport behaviour of the Czech population caused by state of emergency	101
10. Vondráčková L., Trepáčová M., Zámečník P.: Interactions between autonomous vehicles, cyclists, and pedestrians from the perspective of potential users and non-users of autonomous vehicles.....	115
11. Sicińska K., Zielińska A.: Pedestrians’ safety in Poland and use of reflective materials	127
12. Wierzbicki S., Boruta G., Konieczny Ł., Łazarz B.: Analysis of the share of natural gas in the total fuel supply dose on the combustion process in a CRDI engine.....	141
13. Folęga P., Jursova S., Burchart D., Pustejovska P., Marzec P.: Potential environmental life cycle impacts of fuel cell electric vehicles powered by hydrogen produced from Polish coke oven gas	151
14. Balogh J., Dávid B., Krész M., Tóth A., Tóth L.: A general framework for evaluating driver schedules in public transport.....	163
15. Soczówka P., Żochowska R.: The classification of railway stops and stations in terms of land use structure in their surroundings	175
16. Sokolski P., Sokolska J.: Assessment of the acoustic microclimate and rating of noise hazards in the inner transport system of a bucket wheel excavator: a case study	187
17. Pshinko O., Charkina T., Martseniuk L., Orlovska O.: HUBs as a key tool for improving the quality of the service and development of multimodal passenger traffic	201
18. Vaičiūnas G., Steišūnas S., Bureika G.: Adaptation of rail passenger car suspension parameters to independently rotating wheels.....	215

Transport Problems

Volume 17 Issue 2



Problemy Transportu



GLIWICE 2022

CONTENTS

	Page
1. Hai D.T., Quang N.N.: Measuring transport-related social exclusion at the meso-level using the concept of isolated islands in the big cities.....	5
2. Biliaiev M., Pshinko O., Rusakova T., Biliaieva V., Sładkowski A.: Mathematical modeling of the aeroion mode in a car	19
3. Novák Sedláčková A., Remencová T.: Comparison of the economic results and ownership structures of regional airports in central European countries (V4)	33
4. Komorski P., Kominowski J., Motyl M.: A proposal for a mobile system of vehicle and rail track diagnostics.....	45
5. Opasiak T., Margielewicz J., Gaska D., Haniszewski T.: Rollers for belt conveyors in terms of rotation resistance and energy efficiency.....	57
6. Jung H.: How does fine particulate matter impact public transit ridership?	69
7. Maternová A., Materna M.: The safety and efficiency of water transport: statistical analysis	81
8. Sbaih R., Imam R., Alhiary M., Al-Mistarehi B.: Developing prediction models for slope variance from the international roughness index.....	93
9. Korecki Z., Hoika T.: Effectiveness of preventive security measures and criminal acts against civil aviation	107
10. Gładys S., Kwasiborska A., Postół J.: Determination of the impact of disruptions in ground handling on aircraft fuel consumption	115
11. Smoczyński P., Gill A., Kadziński A., Laur M., Ōun T.: Application of an improved bowtie method in a CSM-compliant risk assessment of a change introduced in the eu railway system.....	127
12. Alonso F., Useche S.A., Faus M., Esteban C.: Assessing users' perceptions of four types of road safety measures.....	137
13. Haryadi B.: Measuring the effects of passengers' socio-demographic factors on satisfaction with public bus services in a developing city: a case study in Semarang, Indonesia	151
14. Grzywna M., Szkoda M.: Examination of selected geometrical parameters of wheelsets of electric multiple unit.....	161
15. D'hondt J., Juwet M., Demeester E., Slaets P.: Development of an electric tricycle for service companies and last-mile parcel delivery	175
16. Dávid A., Galieriková A., Mako P.: Application of anti-epidemiological measures and covid-automat in public water transport.....	189
17. Wojnar G., Irlik M.: Multicriteria train running model and simulator for railway capacity assessment.....	199
18. Aliev T., Musaeva N.: Technologies for monitoring the technical condition of transport infrastructure objects based on the coefficient of correlation between critical values of noise and useful signals	213