Detailed instructions for authors and contacts to editors can be found on journal’s webpage: www.archivesoftransport.com

The Archive of Transport is indexed by the Polish Ministry of Science and Higher Education.

All articles are peer-reviewed by two external reviewers. Reviewers list is published once each year in the last issue of the journal and also on journal’s webpage.

Copyright © 2021 by Warsaw University of Technology.

All rights reserved. No part of this publication may be modified, reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without permission in writing from publisher.

Online publication.
ARCHIVES OF TRANSPORT

Editor-in-Chief
Marianna Jacyna,
Warsaw University of Technology, Poland;

Editorial Committee
Andrzej Chojnacki,
Military University of Technology,
Poland;
Agnieszka Merkisz-Guranowska,
Poznan University of Technology,
Poland;
Andrzej Szarata,
Cracow University of Technology,
Poland;
Adam Weintrit,
Gdynia Maritime University,
Poland;

Editorial Advisory Board
Chairman
Marian Tracz,
Cracow University of Technology, Poland;
Deputy Chairman
Jerzy Kisilowski,
University of Technology and Humanities, Poland;

Members
Salvatore Cafiso,
University of Catania, Italy;
Jan Celko,
University of Zilina, Slovakia;
Csaba Koren,
Széchenyi István University of Applied Sciences,
Hungary;
Boguslaw Liberadzki,
Warsaw School of Economics, Poland;
Raffaele Mauro,
University of Trento, Italy;
Laurence R. Rilett,
University of Nebraska, USA;
Efim N. Rozenberg,
Moscow Institute of Railway Engineering (MIIT),
Russia;
Kumares Sinha,
Purdue University, USA;

Statistical Editor:
Tomasz Ambroziak,
Warsaw University of Technology, Poland;
Jolanta Żak,
Warsaw University of Technology, Poland;

Editorial Secretary:
Karol Nehring,
Warsaw University of Technology, Poland;
Emilian Szczepański,
Warsaw University of Technology, Poland;

Linguistic Editor
Joseph Woodburn,
University of Bristol, United Kingdom;
Associate Editors (Subject Editors)

Transport Engineering
Andrzej Chudzikiewicz,
Warsaw University of Technology, Poland;
Radim Lenort,
VŠB-Technical University of Ostrava, Czech Republic;

Air Transport
Jerzy Manerowski,
Warsaw University of Technology, Poland;
Jozsef Rohacs,
Budapest University of Technology and Economics, Hungary;

Maritime Transport
Zbigniew Burciu,
Gdynia Maritime University, Poland;
LU Huaqing,
Zhejiang Ocean University, China;

Transport Infrastructure and Management
Gebhard Hafer,
University of Applied Sciences in Berlin, Germany;
Edward Michlowicz,
AGH University of Science and Technology, Poland;

Ecology of Transport
Jerzy Merkisz,
Poznan University of Technology, Poland;
Vitalii Naumov,
Kharkov National Automobile and Highway University, Ukraine;

Telematics in Transport
Vladimir Hahanov,
Kharkov National University of Radioelectronics, Ukraine;
Miroslaw Siergiejczyk,
Warsaw University of Technology, Poland;

Logistics Engineering
Goran Dukic,
University of Zagreb, Croatia;
Tomasz Nowakowski,
Wroclaw University of Technology, Poland;

Mobility in Transport
Vladimir Hahanov,
Kharkov National University of Radioelectronics, Ukraine;
Miroslaw Siergiejczyk,
Warsaw University of Technology, Poland;

Railway Transport
Yurii Domin,
Volodymyr Dahl East Ukrainian National University, Ukraine;
Andrzej Lewiński,
University of Technology and Humanities, Poland;

Transport Safety
Geza Tarnai,
Budapest University of Technology and Economics, Hungary;

Transport Safety
George P. Sakellaropoulos,
Aristotle University of Thessaloniki, Greece;

Road Transport
Dusan Malindzak,
Technical University of Košice, Slovakia;
Juan Carlos Villa,
Texas A&M Transportation Institute, USA;

Victor Bozkov,
Bulgarian Technical University of Sofia, Bulgaria;

Editorial Committee Contact:
ARCHIVES OF TRANSPORT
Faculty of Transport, Warsaw University of Technology
Koszykowa 75, 00-662 Warsaw
Poland
E-mail: aot.wt@pw.edu.pl
Phone: +48 22 234-58-55
Contents

Zsófia Magyari, Csaba Koren, Mariusz Kieć, Attila Borsos
Sight distances at unsignalized intersections: a comparison of guidelines and requirements for human drivers and autonomous vehicles ................................................................. 7

Piotr Tomczuk, Marcin Chrzanosicz, Tomasz Mackun, Marcin Budzyński
Analysis of the results of the audit of lighting parameters at pedestrian crossings in Warsaw ........................................................................................................................................... 21

Marek Bauer, Wiesław Dźwigoń, Matthias Richter
Personal safety of passengers during the first phase Covid-19 pandemic in the opinion of public transport drivers in Krakow ................................................................................................................................. 41

Zihao Xie, Zhenfeng Wu, Longhui Zhu, Wangcai Ding
The effect of different marshalling forms on the aerodynamic performance of the freight train under crosswind .......................................................................................................................... 57

Yong Peng, Zhiyao Mo, Song Liu
Passenger’s routes planning in stochastic common-lines’ multi-modal transportation network through integrating Genetic Algorithm and Monte Carlo simulation .......................... 73

Sławomir Szrama, Adrian Gill
Aircraft operators maintenance decisions supporting method .......................................................................................................................................................... 93

Fadi Alhomaïdat, Tamer Eljufout
Perception of cycling risks and needs associated with skill level, gender, and age .......... 113

Mehdi Fallah Tafti, Reza Roshani
Development of models to study traffic accidents on the final sections of access roads to the cities: a case study of three major Iranian cities ................................................................. 129

Marek Kisilowski, Krzysztof Stypułkowski
Thermal imaging for the operator's comfort assessment in the aspect of the COVID-19 pandemic ................................................................................................................................. 149