



Iryna Tkachenko

● WORK EXPERIENCE

07/2004 – 11/2006 – Kharkiv, Ukraine

SENIOR ASSISTANT – RESEARCH INSTITUTE OF OCCUPATIONAL HEALTH AND OCCUPATIONAL DISEASES

Conducting a hygienic assessment of workplaces with harmful and dangerous working conditions, including the transport industry enterprises, issuing conclusions on the compliance of working conditions with legal requirements

2006 – 2022 – Kharkiv, Ukraine

CONSULTANT OF HYGIENIC ASSESSMENT OF WORKPLACES – SCIENTIFIC AND TECHNICAL CENTER "OCCUPATIONAL MEDICINE" AND "ECOSYSTEMS"

Fulfillment of short-term contracts for holding a hygienic assessment of workplaces with harmful and dangerous working conditions, performing noise level measurements, assessing the severity and tension of labor activity

11/2012 – 09/2018 – Kharkiv, Ukraine

ASSISTANT LECTURER OF TRANSPORT SYSTEMS AND LOGISTICS DEPARTMENT – O.M. BEKETOV NATIONAL UNIVERSITY OF URBAN ECONOMY IN KHARKIV

Providing lectures and practical classes.

Participation in national and international conferences, research activities in the field of Transport and Logistics.

<https://www.kname.edu.ua/>

09/2018 – CURRENT – Kharkiv, Ukraine

ASSOCIATE PROFESSOR OF TRANSPORT SYSTEMS AND LOGISTICS DEPARTMENT – O.M. BEKETOV NATIONAL UNIVERSITY OF URBAN ECONOMY IN KHARKIV

Providing lectures and practical classes. Guiding students in the preparation of bachelor's and master's degrees thesis.

Preparation and publication of scientific manuals and guidelines, textbook editions for students (Risks in transport processes, Engineering and transport expertise in the road accidents investigation, Expert solution of practical issues in the performance of engineering and transport expertise).

Providing analysis and research within the framework of international and national projects, supporting the preparation and analysis of surveys and supporting documentation processes.

Main taught courses:

- Introduction in Transport (the 1st year Bachelors)
- Fundamentals of Systems Theory and System Analysis (the 3rd year Bachelors)
- Basics of Freight Forwarding (the 3rd year Bachelors)
- Human and Environmental Impacts, Safety and Sustainability (the 1st year Masters)

Website <https://www.kname.edu.ua/>

● EDUCATION AND TRAINING

09/1999 – 06/2004 – Kharkiv, Ukraine

SPECIALIST DEGREE – O.M. Beketov National University of Urban Economy in Kharkiv

Basics of vehicle operation.
Passenger and cargo transportation.
Road traffic management.
Information systems on transport.
Transport law.

Address 17, Marshala Bazhanova Str., Kharkiv, Ukraine |

Field of study Motor vehicles, ships and aircraft | **Final grade** 5/excellent |

Thesis Ensuring the passenger transportation by urban passenger transport with the development of measures and means of labor protection at the battery section of the depot

11/2006 – 11/2012 – Kharkiv, Ukraine

PHD IN ENGINEERING – O.M. Beketov National University of Urban Economy in Kharkiv

Address 17, Marshala Bazhanova Str., Kharkiv, Ukraine |

Field of study Engineering, manufacturing and construction |

Thesis Risk assessment and prevention of cases of occupational injuries on public transport

06/2019 – 07/2019 – Rome, Italy

INTERNSHIP AT SAPIENZA UNIVERSITY OF ROME – Center for Transport and Logistics (CTL)

Had been developed lessons and practical exercises devoted to such problems as "Plan the road safety strategies for the short, medium and long term", "Sustainable Mobility" for the discipline "Human and Environmental Impact, Safety and Sustainability" in collaboration with the teaching staff of EU Universities for Master's degree students within the Project SmaLog.

Had been started a common research work in collaboration with the staff of CTL, as a result, a conference paper had been published in a monography Research Methods in Modern Urban Transportation Systems and Networks, Springer.

Address Piazzale Aldo Moro, 5, Rome, Italy

09/2020 – 10/2020 – Kiev, Ukraine

DISTANCE LEARNING COURSE FOR TEACHERS "SMALOG" – DLC SMALOG – National Transporty University

SmaLog teachers' skills upgrading

Address 1, M. Omelianovycha-Pavlenka Str., Kiev, Ukraine | **Website** <http://www.ntu.edu.ua/> |

Thesis Competence of solving complex problems of urban smart transport and logistics through the knowledge of the best practices, methods and models developed in worldwide cities / regions

01/06/2022 – 30/09/2022 – Roma, Italy

VISITING PROFESSOR MOBILITY – Sapienza University, Department of Ingegneria Civile, Edile, Ambientale (DICEA)/(CTL)

The main purpose of the mobility period at Sapienza University of Rome, Department of Ingegneria Civile, Edile, Ambientale (DICEA)/Research Centre for Transport and Logistics (CTL), was not only to solve general issues related with exchange of experience or to upgrade teaching materials for Ukrainian students' courses, but to focus on the more specific and detailed points in the professional and research fields.

Address Via Eudossiana, 18, Roma, Italy

● LANGUAGE SKILLS

Mother tongue(s): **UKRAINIAN** | **RUSSIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH, CAMBRIDGE ENGLISH LEVEL 1 CER-TIFICATE IN ESOL INTERNATIONAL	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

My Digital Skills

Microsoft Office | Zoom | Google Drive | Social Media | Skype | Google Docs

● PUBLICATIONS

Galkin, A., Davidich, Yu. , Grigorova, T. , Kush, Ye., Tkachenko, I., Davidich, N. Increasing Quality of Passenger Transport Service with the Help of Planning of Driver's Rational Working Schedule. Transylvanian Review: Vol XXV, No. 20, pages 5179 -5189

2017

Kush, Y., Skrypin, V., Galkin, A., ...Tkachenko, I., Davidich, N. Regularities of Change of The Supply Chain Operation Efficiency, Depending on The Parameters of The Transport. Transportation Research Procedia, №30, pages: 216-225

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85054100759&origin=resultslist&sort=plf-f> – 2018

Davidich, Y., Kush, Y., Galkin, A., Davidich, N., Tkachenko, I. Improving of urban public transportation quality via operator schedule optimization. Journal of Urban and Environmental Engineering, v.13, n.1, pages: 23-33.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85073725062&origin=resultslist&sort=plf-f> – 2019

Prasolenko, O., Burko, D., Lutchenko, T., Tkachenko, I. Regularities of change of attention of drivers in the conditions of evening twilight when moving on city streets. Municipal economy of cities, V. 157, pages: 41-45.

<https://khg.kname.edu.ua/index.php/khg/article/view/5596> – 2020

Tkachenko, I., Galkin, A., Usami, D.S., Sgarra, V., Persia, L. Research on Parents' Attitude Towards Children Safe Transportation: The Cross-Sectional Survey Method. Lecture Notes in Networks and Systems "Research Methods in Modern Urban Transportation Systems and Networks", Vol. 207, pages: 117–127.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85104703560&origin=resultslist&sort=plf-f> – 2021

Galkin, A., Tkachenko I., Grekova, O. Evaluation of the efficiency of the organization of the transport process of a container delivery and artificial cargoes taking into account the exposure of the external environment. Municipal economy of cities, V. 164, pages: 252-257.

<https://khg.kname.edu.ua/index.php/khg/article/view/5857> – 2021

Galkin, A., Tkachenko, I., Vladyka, Yu., Shyllie, N., Hulchak, O., Kostiuk, V. Fleet size problem for Secure Food Chain with a certain range of transportation temperature. 13th International Conference on Developments in eSystems Engineering (DeSE), pages: 116-120

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85104703560&origin=resultslist&sort=plf-f> – 2022

Voronko, V., Tkachenko, I., Dyachenko, Y., Voronko, I., Zawistovskiy, D. Methodology for Calculating the Productivity of Electrochemical Machining in Stationary Electrolyte. Lecture Notes in Networks and Systems, pages: 47–56.

<https://www.springerprofessional.de/en/methodology-for-calculating-the-productivity-of-electrochemical-/20152686> – 2022

● **CONFERENCES AND SEMINARS**

07/03/2018 – 09/03/2018 – Padova, Italy

EURO Mini Conference on “Advances in Freight Transportation and Logistics”

Report on research results on the topic Regularities of Change of The Supply Chain Operation Efficiency, Depending on The Parameters of The Transport

● **MONOGRAPH AND BOOK CHAPERS**

2018

Modern issues of functioning of transport and logistics systems: monograph. Lobashov O., Davidich Y. Tkachenko I., etc.

2020

Transport and logistics processes in the most important cities: monograph. Lobashov O., Davidich Y. Tkachenko I., etc.

2021

Sabadash V., Lobashov O., Tkachenko I. Engineering and transport expertise in the road accidents investigation

ISBN 978-966-695-536-7

2022

Sabadash V., Lobashov O., Tkachenko I., Sabadash I. Expert solution of practical issues in the performance of engineering and transport expertise

- **RELEVANT NATIONAL PROJECTS**

2018

Conducting a survey of trolleybus and tram routes in order to determine their economic, technical and operational indicators

Analysis of the parameters of various types of urban electric transport, conduct research to determine their economic, technical and operational indicators and provide recommendations for improving their productive work

2020

Conducting a survey of traffic flows and parking spaces of the central part of Kharkiv road network

Analysis of modern approaches to the organization of parking space in cities, survey of traffic flows and demand for car parking, assessment of the impact of the existing car parking system on the characteristics of traffic flows, development of recommendations for car parking in the central part of Kharkiv

2021

Development of Sustainable Urban Mobility Plan (SUMP) for Kharkiv

Coordination of the city development goals with both regional / national and European priorities, research of traffic intensity, conducting field surveys of transport demand, providing proposals for improving the street and road network of Kharkiv

- **RELEVANT INTERNATIONAL PROJECT**

Erasmus+ funding Project "Smart Transport and Logistics for Cities" (SmaLog)

Development of Master's degree program "Smart Transport and Logistics for Cities" in collaboration with European and Ukrainian Universities