

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

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Nationality **Latvian**

WORK EXPERIENCE

- Dates (from – to) SEPTEMBER 2013– PRESENT
- Name and address of employer Transport and Telecommunication Institute. 1 Lomonosova, LV-1019, Riga, Latvia
- Type of business or sector Education and Research
- Occupation or position held Vice-Rector for Research and Development, Professor
- Main activities and responsibilities Education and research activities

- Dates (from – to) SEPTEMBER 1999 – SEPTEMBER 2013
- Name and address of employer Transport and Telecommunication Institute. 1 Lomonosova, LV-1019, Riga, Latvia
- Type of business or sector Education and Research
- Occupation or position held Vice-Rector for Sciences and Development Affairs, Vice-Rector for Education and Development Affairs, Vice-Rector for Studies, Professor
- Main activities and responsibilities Chair of Mathematical Methods and Modeling Department
Education and research activities

- Dates (from – to) JUNE 1991 – SEPTEMBER 1999
- Name and address of employer Riga Aviation University. 1 Lomonosova, LV-1019, Riga, Latvia
- Type of business or sector Education
- Occupation or position held Docent

• Main activities and responsibilities

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

• Main activities and responsibilities

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

• Main activities and responsibilities

EDUCATION AND TRAINING

• Dates (from – to)

• Name and type of organisation
providing education and training

• Principal subjects/occupational
skills covered

• Dates (from – to)

• Name and type of organisation
providing education and training

• Principal subjects/occupational
skills covered

• Dates (from – to)

• Name and type of organisation
providing education and training

• Principal subjects/occupational
skills covered

• Dates (from – to)

• Name and type of organisation
providing education and training

• Principal subjects/occupational
skills covered

• Title of qualification awarded

• Level in national classification
(if appropriate)

• Dates (from – to)

• Name and type of organisation
providing education and training

• Principal subjects/occupational
skills covered

• Title of qualification awarded

• Level in national classification
(if appropriate)

Education and research activities

SEPTEMBER 1990 – June 1991

Riga Aviation University. 1 Lomonosova, LV-1019, Riga, Latvia

Education

Lecture

Education and research activities

SEPTEMBER 1982 – May 1987

Riga Scientific Research Institute of State Electrotechnical Factory. 1 Lomonosova, LV-1019, Riga, Latvia

Research

Scientific Collaborator

Research activities

2007 (March)

EPFL, Transport and Mobility Laboratory,
Lausanne

Discrete Choice Analysis^ Predicting Demand and Market Shares

2004 (May)

APEC

IT and Logistics

1997 (August)

University of Oxford (Department of Statistics)

Computer Statistics, Simulation Modelling

1990

Riga Aviation University

Design of Engine D-36 Control Computer System

Doctor Degree in Engineering

Doctor Degree in Engineering

1977-1982

Riga Civil Aviation Engineering Institute, Faculty of Automation and Computer Science

Design of Automatic Control Systems

Diploma of Automatic Computer System Engineer

Diploma of Automatic Control System Engineer

**PERSONAL SKILLS
AND COMPETENCES**

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

**Personal skills and
competences**

MOTHER TONGUE

OTHER LANGUAGES

Self-assessment

European level ()*

ENGLISH

LATVIAN

SPANISH

SOCIAL SKILLS

AND COMPETENCES

*Living and working with other people, in
multicultural environments, in positions
where communication is important and
situations where teamwork is essential
(for example culture and sports), etc.*

RUSSIAN

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
excellent	excellent	excellent	excellent	excellent
excellent	excellent	excellent	excellent	excellent
basic	basic	basic	basic	-

() Common European Framework of Reference (CEF) level*

I have a positive experience in different social activities, for example as:

- Association of Paneuropa Coach Terminals, expert , 2008-present
- Member of Classification Society of North America (CSNA) (from 2006).
- Member of the Latvian Simulation Society (from 1994).
- Director of Latvian Operations Research Society, 2003-present
- Member of Latvian Professor's Association, 2001-present
- Member of the Programme and Organisation Committee of the international Conference "Reliability and Statistics in Transport and Communication", (RelStat), Riga, Latvia (2005- 2013)
- Member of the Programme and Organisation Committee of the International Symposium on Stochastic Models in Reliability, Safety, Security and Logistics, Beer Sheva, Israel, (February 2005, February 2010)
- Member of the Programme Committee of the International Conference on Dependability and Complex Systems (DepCoS-RELCOMEX), Wroslaw, Poland, (2012 -present)
- Member of the Programme Committee of the International Conference on Usage, Usability, and Utility of 3D City Models. Nantes, France, 2012
- Member of the Editorial Board, Journal "Transport" (ISSN 1392-1533), Lithuania, Lithuanian Academy of Science, November 2012 – present
- Member of the Editorial Board, International Journal "Maintenance and reliability", Polish Maintenance Society (Warsaw), 2005-present
- Member of the Editorial Board, International Journal "Transport and Telecommunication", Latvia, 2005-present
- Editor of the Journal " Student Research Works ", Latvia, Riga, TTI
- Reviewer, International Journal "Journal of Air Transportation" (ISSN 1093-8826), USA, University of Nebraska at Omaha
- Member of the Organisation Committee "Application of Simulation (ИММОД)", Sankt-Petersburg (2003, 2005, 2007, 2009, 2011, 2013) and other

ORGANISATIONAL SKILLS

AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

TECHNICAL SKILLS

AND COMPETENCES

With computers, specific kinds of equipment, machinery, etc.

I have a positive experience in different organizational activities, for example:

As Vice-Rector during last years I am responsible for general management of education and research activities in the institution with more than 150 personal of full time staff and more than 3500 students.

I was **leader of team** in different research and development projects and programmes **at**

European level:

- EU BSR INTERREG IV C programme. Project "Policy Learning in Information Technologies for Public Transport Enhancement" I (from 2012)
- EU BSR INTERREG IV B programme. Connecting Authorities for Safer Heavy Goods Traffic in the Baltic Sea Region (CASH) (2010-2012)
- EU FP-7 Baltic-to-Balkan Network for Logistics Competence (B2BLOCO) (2009-2011)
- BSR INTERREG III B Programme. Projects: "Integrating Logistics Centre Networks in the Baltic Sea Region (InLoC)" (2004-2006)

at national level:

- Research of expediency for implementation of a pedestrian area in Riga, from Terbatas street to Elizabetes street and then to Tallinas street (01.09.2010-30.01.2011)
- Development of Liepaja city macroscopic model for decision making (2007)
- Model of the transport node Krasta street - Maskavas street - Slavu bridge with three level trestle (2007).
- Design of public transport simulation model. Case study of bus station in Riga. (2006)
- Design and Investigation of Simulation Model of Air Space of Latvia for the Analysis and Forecasting of Potential Conflicts (2003) etc

I am the Latvian representative in Management Committee in next EU projects:

- European COST Action TU1004 "Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems" (2011-2015)
- European COST Action TU0903 "Methods and Tools for Supporting the Use, Calibration and Validation of Traffic Simulation Models" (2009-2013)
- European COST Action TU0804 "Survey Harmonization with New Technologies Improvement" (2008-2012)
- European COST Action TU0801 "Semantic enrichment of 3D city models for sustainable urban development"(2008-2012)

I was participant in different research and development projects and programmes, for example:

- Latvian National Research Programme "Local Resources Long-Term Utilization. New Products and Technologies (NatRes)". Project Nr. 4. "Development of the Long-Term Programme of the Latvian Transport System Harmonization" (LATRANS)". (2010-2013).
- State National Research Programme Nr.11, project Nr.4.2 „Development of Programme "Latvian Transport System Harmonization Sustainable Development" (LaTRANS)"
- BSR INTERREG IV B programme.Towards an integrated transport system in the Baltic Sea Region (TransBaltic). (2009-2011).
- Development of the model of Europe-Asia multimodal corridor intelligent transport system for optimization of Latvia-Belarus international logistics chain (TransLab). (2007-2009)
- COST-355 Action „Changing behavior towards a more sustainable transport demand"
- BSR INTERREG III B Programme Developing Regions through Spatial Planning and Logistics & ICT Competence (LogOnBaltic). (2006-2008)
- BSR INTERREG III B Programme. Project BalticTangent (2005-2007)
- LZP Project Nr. 10.0003 "Development of scientific basis for advanced information processing in Latvia" project Nr. 10.0003.4 Development of Model of Intellectual Transport System(2010-2013)

I am the professional educator in different technical subjects, for example:

- Transport Modelling
- Simulation and Modelling of Complex Systems
- Multivariate Methods of Statistics
- Data Mining
- Econometrics
- Transport Survey Methods
- Decision Support Systems
- System Analysis

I have practical experience of simulation project and statistical application in different fields (business, economics, networks, logistics and others)

ARTISTIC SKILLS
and competences

I am author more than 100 scientific papers, 9 scientific and teaching books

References:

- I.Yatskiv, J.Jurshevich, I Pticina (2008).Analysis of Mobility and Reliability Measures on the Particular Transport Node at the Stage of its Reconstruction. *In: Proceeding of the International Conference "Modelling of Business, Industrial and Transport Systems (MBITS'08)"*, Riga,7-10 May, 2008.
- Ilya Gertsbakh, I.Yatskiv, O.Platonova. (2008). Constructing Social and Economic Indicators for EU Countries Using Dynamic Classification: Case Studies. *In: Proceeding of International Conference "Data mining-2008"*, 26-28 May 2008, Cadiz, p.153-162
- I.Yatskiv, E.Yurshevich, M.Savrasov. (2009) Practical aspects of modelling in the transport node reconstruction in Riga. *In: Proceedings of the 23 European Conference on Modelling and Simulation, 2009*, Madrid, Spain, pp.295–300.
- I.Yatskiv, .Savrasov. (2010) Riga-Minsk transport corridor simulation model development. *In: Proceedings of the 9th International Conference, Reliability and Statistics in Transportation and Communication, 2009*.pp.394-403.
- Gromule, V., Kolmakova, N., Yatskiv, I. Estimation of Weights for the Indicators of Quality of Service. *In: Proceedings of the International Symposium on Stochastic Models in Reliability Engineering, Life Science and Operations Management (SMRLO10)*, February 09-11, 2010, Beer Sheva, Israel, pp. 1180–1187.
- Yatskiv. I Pticina. (2010) Constructing the urban public transport system quality indicator. *In: Proceedings of the 1st International conference on Road and Rail Infrastructure (CETRA 2010)*, Opatija, Croatia, pp. 223.-229.
- Yatskiv I., Savrasovs M., Yurshevich E., Medvedevs A. (2010). Simulation as a tool of decision support process: Latvia-based case study. *In: Proceedings of the 1st International conference on Road and Rail Infrastructure (CETRA 2010)*, 2010, Opatija, Croatia – pp. 217-222
- Yatskiv I., Pticina I. (2010) Development of the Composite Indicator Characterising the Urban Public Transport System. *In: Proceedings of the World Conference on Transport Research (WCTR-2010)* Lisboa, Portugal
- A. Andronov, N. Kolmakova, I. Yatskiv.(2010) A regression model for polytomous data and its application. *In: Proceedings of the 11th WSEAS International Conference "Mathematics and Computers in Business and Economics (MCBE '10)*, G. Enescu University, Iasi, Romania, 2010, pp. 181-186.
- A.Andronov, N. Kolmakova, I. Yatskiv.(2010) A Quasi Regression Model for Polytomous Data and Its Application for Measuring Service Quality, *International Journal of Mathematics and Computers in Simulation, Issue 2, Volume 4, 2010*, pp. 50-57.
- Yatskiv I., Gromule V., Kolmakova N.(2010) Public Transport Service Quality Estimation on The Basis Statistical Analysis, *In: Proceedings of the Third International Conference "Problems of Cybernetics and Informatics"*, Baku, Azerbaijan, 2010, pp. 232-235.
- Yatskiv I., I. Pticina.(2011) Algorithm of the Choice of the Missing Data Imputation Method for the Urban Public Transport System Quality Indicator Construction. *In: Proceedings of the NTTS, 24 February 2011*, Brussels
- E.Yurshevich, I. Yatskiv.(2011) Decision Support System For Transport System Management And Microscopic Traffic Modeling. *In: Proceedings of the 7-th International Scientific Conference TRANSBALTICA, 2011*, Vilnius, Lithuania, pp.74-81. ISBN: 978-9955-28-840-4
- I. Yatskiv, N. Spiridovska (2011) Using Ordinal Regression Model to Analyze Quality of Service for Passenger Terminal. *In: Proceedings of the 7th International Scientific Conference TRANSBALTICA 2011*, Vilnius Gediminas Technical University, Lithuania, 2011, pp.82-86. ISBN: 978-9955-28-840-4.
- N. Spiridovska and I. Yatskiv.(2011). Estimation of Transport Service Quality Level Using Econometric Models, *Transport and Telecommunication*, Vol. 12. 2011, pp. 45-51.
- N. Spiridovska and I. Yatskiv.(2011) Econometric Modelling for Estimation of Transport Service Quality Level. *Proceedings of the 11th International Conference "Reliability and Statistics in Transportation and Communication"*. I. Kabashkin and I. Yatskiv eds. 2011. pp. 234-240.
- I.Kabashkin, I.Yatskiv, A.Medvedev, Y. Kryukov (2012). The Market Structure Analysis for International Road Freight Transport in Latvia. Finland, Turku School of Economics at the University of Turku, p.46. ISBN 978-952-249-086-5
- I.Yatskiv, I.Pticina, M.Savrasov. (2012). Urban Public Transport System's Reliability Estimation Using Microscopic Simulation. *In: Transport and Telecommunication*, Vol.13, June, pp.219-228 (ScopusID)
- I. Pticina, I. Yatskiv.(2012) Public transport system route reliability estimation using macromodelling. Abstract of 25th European Conference on Operational Research, 8-11 July 2012, Vilnius, Lithuania. p.155.
- I. Yatskiv (2012). Forecasting algorithm for short time series with preliminary classification. Abstract of 25th European Conference on Operational Research, 8-11 July 2012., Vilnius, Lithuania. p.196
- I.Kabashkin, I.Yatskiv, A.Medvedev, G.Beliha, D.Dubanovs (2012). Latvian Road Sector and Enforcement of Regulations of International Road Haulage in Historical Perspective. Finland, Turku School of Economics at the University of Turku, p.42. ISBN 978-952-249-089-6
- I. Yatskiv and V. Gromule. (2012). Quality Management of the Passenger Terminal Services on the Base of Information System. Chapter 3. *In book: Modern Information System*. C. Kalloniatis ed. InTech. 2012. pp. 41-64 (Scopus ID)
- I. Yatskiv, M. Savrasov (2012). Microscopic transport model animation visualisation on KML base. Usage, Usability, and Utility of 3D City Models. T. Leduc, G. Moreau and R. Billen eds. pp. 91-98.
- E. Yurshevich, I. Yatskiv. (2012). Consideration of the Aspects of the Transportation Systems Microscopic Model Application as Part of a Decision Support System, *In: Transport and Telecommunication*, Vol. 13, June, 2012, pp. 209-218. (Scopus ID)
- I. Yatskiv, A. Grakovski and E. Yurshevich. An overview of different methods available to observe traffic flows using new technologies. *In: Proceedings of the international conference NTTS, 5-7 March 2013*, Brussels, Belgium, 2013.
- I. Yatskiv, N. Spiridovska. (2013). Application of ordinal regression model to analyze service quality of Riga coach terminal. *In: Transport*, Vol. 28 (1). Vilnius Gediminas Technical University, Lithuania, 2013, pp.25-30.(Thomson ID)
- Yatskiv I., Kopytov E., Casellato D., Giuseppe L., McDonald R.(2013). Benchmarking and Assessment of Good Practices in Public Transport Information Systems. *In: Transport and Telecommunication*, Vol.14 (4) – Riga, TTI, pp. 325–336. (Scopus ID)

