

# EUROPEAN CURRICULUM VITAE FORMAT



## PERSONAL INFORMATION

Name Kabashkin, Igor  
Address Transporta un sakaru institūts  
Lomonosova iela 1  
Rīga, LV 1019  
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## WORK EXPERIENCE

- Dates (from – to) SEPTEMBER 2005 - 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 Professor, President (2005 - 2014)
- Main activities and responsibilities Research and education activities
  
- Dates (from – to) SEPTEMBER 1999 – SEPTEMBER 2005
- 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 Affairs, Professor
- Main activities and responsibilities Research and education activities
  
- Dates (from – to) APRIL 1998 - PRESENT
- Name and address of employer Telematics and Logistics Institute. 1 Lomonosova, LV-1019, Riga, Latvia
- Type of business or sector Research
- Occupation or position held Director
- Main activities and responsibilities Research activities
  
- Dates (from – to) JUNE 1994 – SEPTEMBER 1999
- Name and address of employer Riga Aviation University. 1 Lomonosova, LV-1019, Riga, Latvia
- Type of business or sector Research
- Occupation or position held Vice-Rector for Research and Development Affairs, Professor
- Main activities and responsibilities Research and education activities
  
- Dates (from – to) JUNE 1990 – June 1994
- Name and address of employer Riga Aviation University. 1 Lomonosova, LV-1019, Riga, Latvia
- Type of business or sector Education
- Occupation or position held Vice-Dean of Faculty of Advanced Study, Professor
- Main activities and responsibilities Research and education activities
  
- Dates (from – to) JUNE 1984 - June1990

- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

Riga Aviation University. 1 Lomonosova, LV-1019, Riga, Latvia  
 Education and Research  
 Associate Professor  
 Research and education activities

- Dates (from – to)

JUNE 1980 - June1984

- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

Riga Aviation University. 1 Lomonosova, LV-1019, Riga, Latvia  
 Education and Research  
 Lecture  
 Research and education activities

## EDUCATION AND TRAINING

- Dates (from – to)

1993

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
  - Title of qualification awarded
- Level in national classification (if appropriate)

Riga Aviation University and Latvian Academy of Science (Latvia)  
 Design and maintenance of Air Traffic Control Systems

Doctor Habilitatus Degree in Aviation  
 Doctor Habilitatus Degree in Aviation

- Dates (from – to)

1993

- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
  - Title of qualification awarded
- Level in national classification (if appropriate)

Supreme Personnel Review Board (USSR)

Design and maintenance of Air Traffic Control Systems

Doctor of Technical Science (USSR) in Aviation  
 Doctor Habilitatus Degree in Aviation

- Dates (from – to)

1992

- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
  - Title of qualification awarded
- Level in national classification (if appropriate)

Riga Aviation University (Latvia)

Design and maintenance of Air Traffic Control Systems

Doctor Degree in Engineering  
 Doctor Degree in Engineering

- Dates (from – to)

1981

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
  - Title of qualification awarded
- Level in national classification (if appropriate)

Moscow Aviation University

Design and maintenance of Air Traffic Control Systems

Doctor Degree in Aviation (Candidate of Technical Science in USSR)  
 Doctor Degree in Aviation

- Dates (from – to)

1971-1977

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
  - Title of qualification awarded
- Level in national classification (if appropriate)

Riga Civil Aviation Engineering Institute, Faculty of Radio Engineering

Design and maintenance of Avionics and Air Traffic Control Systems

Diploma of Radio Engineer  
 Diploma of Radio Engineer

## PERSONAL SKILLS AND COMPETENCES

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

- Dates (from – to)
- Name of organisation
- Principal subjects/occupational skills covered

2-20 December 2005  
Ministry of Transport and Communication of Republic of Latvia  
Certificate of Professional Competence for International Road Transport

- Dates (from – to)
- Name of organisation
- Principal subjects/occupational skills covered

March 18-19, 2001. Brussels  
EUROCONTROL  
Global Navigation Satellite System. CNS/ATM (Communication, Navigation, Surveillance for Air Traffic Management) Training Course

- Dates (from – to)
- Name of organisation
- Principal subjects/occupational skills covered

31 May- 4 June, 2000. Warszawa, Poland  
PHARE Multi Country Transport Programme Management and Technical Training Project Phase II  
Regional Course on Data Collection, Traffic Forecasting and Computer Applications

- Dates (from – to)
- Name of organisation
- Principal subjects/occupational skills covered

8-19 November 1999, Riga, Latvia.  
PHARE Multi Country Transport Programme Management and Technical Training Project.  
Training course for trainers «Certificate for Professional Freight».

- Dates (from – to)
- Name of organisation
- Principal subjects/occupational skills covered

6-12 October, 1996, Riga, Latvia  
PHARE Multi Country Transport Programme Management and Technical Training Project  
Preparing Projects for International Funding. PHARE Multi Country Transport Programme

## MOTHER TONGUE

**RUSSIAN**

## OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

**ENGLISH**  
excellent  
good  
good

- Reading skills
- Writing skills
- Verbal skills

**LATVIAN**  
excellent  
good  
good

## 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.*

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

- Member of the COST (European on Co-operation in Science and Technology), Technical Committee on Transport and Urban Development, 1999-present;
- Member of the Joint OECD/ITF Transport Research Centre (OECD – Organisation for Economic Co-operation and Development, ITF – International Transport Forum), 2000-present;
- Latvian Member of the Transport Committee of the 7<sup>th</sup> European Framework Programme
- International Committee on the International Global Aerospace Monitoring System (IGMASS) Project Implementation, Member, 2010-present;
- President of Latvian Transport Development and Education Association,

- President of Latvian Operations Research Society, 2003- present
  - Editor of the Journal "Computer Modelling and New Technologies" (ISSN 1407-5806), Latvia, 1997-present
  - Editor of the Journal "Transport and Telecommunication" (ISSN 1407-6160), Latvia, 1999-present
  - Co-editor and Member of Editorial Board, "Journal of Air Transportation" (ISSN 1093-8826), USA, University of Nebraska at Omaha,
  - Member of the board, Journal "Transport" (ISSN 1392-1533), Lithuania, Lithuanian Academy of Science, 1999 – present
  - Member of the board, Journal "Technological and Economic Development" (ISSN 1392-8619), Lithuania, Vilnius Gediminas Technical University, 2002 – present
  - Member of the board, Journal "Aviation" (ISSN 1392-1534), Lithuania, Vilnius Gediminas Technical University, 2002 – present
  - Member of the board, Journal "Transactions on Transport Sciences" (ISSN 1802-971X), Czech Republic, Ministry of Transport, 2007 – present
  - Editor, Journal "Research and Technology – Step into the Future" (ISSN 1691-2853, ISSN 1691-2861), Latvia, 2006 – present
  - Member of the board, "Sustainable Spatial Development" (ISSN 1691-6174), Riga Technical University, 2010-present
  - Member of the board, "Journal of Aviation Technology and Engineering" (ISSN 2159-6670), published by Purdue University Press, USA, 2011-present
  - Member of the board, Baltic Journal of Modern Computing (ISSN 2255-8950 electronic; ISSN 2255-8942 paperback), Estonia-Latvia-Lithuania, 2012- present
  - Member of the board, Journal "Regional Review" (ISSN 1691-6115), Daugavpils University, Latvia, 2012-present
- 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.*

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

As Vice-Rector more than 10 years I am responsible for general management of education and research activities in the institution with about 300 personal of full time staff and more than 4500 students.

I was leader of team in different national and international research and development projects and programmes (see Annex 1), for example:

- Latvian National Research Programme "Development of the Long-Term Programme of the Latvian Transport System Harmonization" (LATRANS)". (2010-2014);
- Latvian National Research Project "Development of National Transport Intelligent System Models". (2010-2013);
- "Towards an integrated transport system in the Baltic Sea Region (TransBaltic)". BSR INTERREG IV B programme. (2009-2011);
- "Enhancing the Transfer of Intelligent Transportation System Innovations to the Market (T-TRANS)". FP7 project (2012-2014);
- and others

#### TECHNICAL SKILLS AND COMPETENCES

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

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

- Transport Telematics and Logistics
- Analysis and Modelling of Transport Systems
- Information Technology Applications
- Electronics and Telecommunication
- Decision Support Systems
- Air Traffic Control Systems

I have practical experience of design and maintenance of radio and electronics equipment for Air Traffic Control Systems (telecommunications, navigations, radars and others)

#### ARTISTIC SKILLS AND COMPETENCES

*Music, writing, design, etc.*

I am author of 536 scientific papers, 67 patents and 25 scientific and teaching books

#### OTHER SKILLS AND COMPETENCES

DRIVING LICENCE(S)	Yes
PROFESSIONAL ACTIVITIES AND MEMBERSHIPS:	<ul style="list-style-type: none"><li>• President, Latvian Operations Research Society, 2003– present</li><li>• Vice President, Latvian Transport Union, 2003-present</li><li>• President, Latvian Transport Development and Education Association, 1996– present</li><li>• Member, American Institute of Aeronautics and Astronautics, 2003-present</li><li>• Member, IEEE (The Institute of Electrical and Electronics Engineers), 1998 – present</li><li>• Member, IEEE Reliability Society, 1999– present</li><li>• Member, IEEE Aerospace and Electronic Systems Society, 1999– present</li><li>• Member, IEEE Education Society, 1999– present</li><li>• Member, IEEE Computer Society, 1998– present</li><li>• Member, IEEE Computational Intelligence Society, 2004– present</li><li>• Member, IEEE Intelligence Transport Systems Society, 2004– present</li><li>• Member, European Association for International Education, 1999– present</li><li>• Member, World Aerospace Education Organisation, 1998– present</li><li>• Member, Association for Computing Machinery, 1998– present</li><li>• Member, New York Academy of Science, 1998– present</li><li>• Member, American Chemical Society, 2007 - present</li><li>• Corresponding Member, Latvian Academy of Science, 1998– present</li><li>• Member (Academician), International Telecommunication Academy, 1996– present</li><li>• Member, Latvian Professor's Association, 1996– present</li><li>• Member (Academician), International Academy of Astronautics, 2010-present</li></ul>
ADDITIONAL INFORMATION	Site of Transport and Telecommunication Institute: <a href="http://www.tsi.lv">http://www.tsi.lv</a> Site of Latvian Academy of Science with Igor Kabashkin personal data: <a href="http://www.lza.lv/scientists/kabashkin.htm">http://www.lza.lv/scientists/kabashkin.htm</a>
ANNEXES	List of Projects with Igor Kabashkin participation

## List of Projects with Igor Kabashkin Participation

### 1. International projects

- Enhancing the Transfer of Intelligent Transportation System Innovations to the Market (T-TRANS). FP7 (2012-2014) – *National Co-ordinator of the Project.*
- Policy Learning in Information Technologies for Public Transport Enhancement (POLITE). INTERREG IVC programme(2012-2014) – National Co-ordinator of the Project.
- Rail Baltica Growth Corridor. BSR INTERREG IV B programme. (2011-2013). – *National Co-ordinator of the Project.*
- Improvement of the air cargo transport sector by service oriented ICT methods and processing logistic network (Baltic.AirCargo.Net). BSR INTERREG IV B programme. (2011-2013). – *National Co-ordinator of the Project.*
- Connecting Authorities for Safer Heavy Goods Traffic in the Baltic Sea Region (CASH). BSR INTERREG IV B programme. (2009-2012). – *National Co-ordinator of the Project.*
- Towards an integrated transport system in the Baltic Sea Region (TransBaltic). BSR INTERREG IV B programme. (2009-2011). – *National Co-ordinator of the Project.*
- European FP-7 project “Baltic-to-Balkan Network for Logistics Competence (B2B LOCO)”. (2009-2011). – *National Co-ordinator of the Project.*
- Development of the model of Europe-Asia multimodal corridor intelligent transport system for optimization of Latvia-Belarus international logistics chain (TransLaB). (2007-2009). – *Co-ordinator of the Project.*
- Baltic COntainer RAilway Transit (CORAT). EU Marco POLO II programme. 2008. – *Co-ordinator of the Project.*
- Wide Area Multilateral Study. Contract No.C06/11088CG with European Ogranisation for the Safety of Air Navigation (EUROCONTROL). (2005-2008). – *National Co-ordinator of the Project.*
- Public Transport Systems’ Accessibility for People with Disabilities in Europe (PTaccess) – 6th Framework Programme. (2007-2008). – *National Co-ordinator of the Project.*
- The evaluation of Rail Baltica alternative strategies of development. BSR INTERREG III B programme. 2007
- European COST Action 340 “Towards a European Intermodal Transport Network: Lessons from History” (2000-2005) – *National Co-ordinator of the Project.*
- European COST Action 342 “Parking policy measures and their effects on mobility and economy” (2000-2003) – *National Co-ordinator of the Project.*
- European COST Action 355 “Changing behaviour towards a more sustainable transport demand” (2004-2008) – *National Co-ordinator of the Project.*
- Developing Regions through Spatial Planning and Logistics & ICT Competence (LogOnBaltic). (2006-2008). BSR INTERREG III B programme. – *National Co-ordinator of the Project.*
- Mobility and health: Regional services in the enlarged EU. (2006-2007). BSR INTERREG III B programme. – *National Co-ordinator of the Project*
- Short Term Actions to Reorganize Transport of goods (START). (2006-2008). BSR INTERREG III B programme. – *National Co-ordinator of the Project.*
- Intermodality and Interoperability in the Baltic Sea Region (InterBaltic). (2005-2007). BSR INTERREG III B programme– *National Co-ordinator of the Project.*
- Integrating Logistics Centre Networks in the Baltic Sea Region (InLoC). - BSR INTERREG III B programme (2004-2006) – *National Co-ordinator of the Project.*
- The Baltic Tangent. BSR INTERREG III B programme (2005-2007) – *National Co-ordinator of the Project.*
- Scientific Forum on Transport Forecast Validation and Policy Assessment (TRANSFORUM). (2004-2007). 6th Framework Programme (FP6-2002-SSP-1/502002). - *Expert.*
- Joint action of Baltic metropolises towards the development of coordinated investment approach in the Baltic Sea Region (BaltMet Invest). EU BSR INTERREG III B programme. - *Expert.*
- Analysis of the national transport policies of the New Member States and their impact on Community transport objectives (Entrance). (2004-2005). DG TREN tender No. TREN/B1/21-2004. - *National Co-ordinator of the Project.*
- Innovative Vocational Education and Training in Transport Area (IVETTA) - Leonardo da Vinci Programme (2004-2005) - *Head of the Project*
- European 5-th Research Framework Programme. Project “RAILSERVE - Thematic Network on Rail Freight Services” (2000-2003). Contract N 199-TN.10025 DG TREN. *Expert.*
- Baltics CNS/ATM (Communication Navigation, Surveillance for Air Traffic Management) Transition Project Feasibility Study. Sponsored by U.S. Trade & Development Agency. (2001-2003). - *Expert.*
- International Transport and Trade Training in Latvia. European TEMPUS Project IB\_JEP-14225-1999 (2000-2002) -*Expert*
- Leonardo da Vinci Programme of European Commission. Project “FLEET – Flexible Education in European Transport” (1999-2001). -*Expert.*

## 2. Latvian national programmes and projects

- 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)”. (2010-2014). – *Head of the Project*
- Prospective diagnostic technology of aircrafts. Project granted by Investment and Development Agency of Latvia (2012-2013) - *Head of the Subprogramme of the Project*
- Development of scientific basis for advanced information processing in Latvia. Subproject 4. Development of National Transport Intelligent System Models. (Project 10.003. Granted by Latvian Council of Science). (2010-2013). – *Head of the Project*
- Fiber optic sensor applications for automatic measurement of vehicle weight in the motion: research and development. Project granted by European Science Foundation. (2010-2013). - *Expert*
- “Network of Intelligent Regions and its Pilot Project Conception Development on the Base of Latgalian Academic Park”. Grant of Latvian Council of Science (2006-2009) – *Head of the Project*
- “Development of Transport Intelligent System in Latvia”. Grant of Latvian Council of Science (2002-2005) – *Head of the Subprogramme of the Project*
- “Optimisation of Latvian Transport System”. Grant of Latvian Council of Science (1996-2001). Subprogramme “Telematics and Logistics” – *Head of subprogramme of the Project*
- “Development of Transport Intelligent System in Riga” (2003). Project for Riga City Council Traffic Department (Latvia) - *Head of the Project*
- “Conception of Riga City Transport Development (2004-2018)”(2003). Project for Riga City Council Traffic Department (Latvia) - *Head of the Subproject*
- “The Model of Riga City Public Transport Development” (2003). Project for “Riga Transport” company.- *Head of the Project*
- “Conception of Riga City Transport Development (1999-2003)” (1999). – *Head of the Subproject*
- International Project of Riga City Council Traffic Department (Latvia) and SYSTRA - International Consulting Engineers for Rail and Urban Transport (France) “Riga Light Rail Transit Feasibility Study” (2002) - *Head of the Subproject*
- International Project of Riga City Council Traffic Department (Latvia) and Danish Ministry of Transport “Bicycle Route Network Planning in Riga” (2002) – *Expert*
- Project for Riga City Council Traffic Department (Latvia) “Development of Conceptual Approach for Architecture of Intelligent Transport Systems in Riga City” (2002) - *Head of the Project*
- Project for Latvian Air Navigation Service “Development of Operational Requirements and Determination of the Main Functional Potentialities of Mobile Object Control System on the Territory of the Airfield” (2001). - *Head of the project.*
- Project for Latvian Air Navigation Service “Development of Construction Concept and Operation Schemes of Mobil Aviation Systems for Real Weather Observation” (2001). - *Head of the project.*
- Project for Russian Air Navigation Service “Development of the Main Principles of Reorganization and Improvement of the Efficiency of CIS Regional Aviation Enterprises Activity on “Kaliningradavia” Example” (2001). - *Head of the project.*
- Project for Kazakhstan Air Navigation Service “Development of Business Plan of Mode 2 (VDL 2) Aviation Data Transmission Network Implementation in Kazakhstan” (2001). - *Head of the project.*
- Project for Latvian Air Navigation Service “Development of Standard Requirements to the Modern Systems of “Ground-Air” Voice Communication Supply in UHF Range for the Further Utilization in the Consulting Projects and Tender Competitions” (2001). - *Head of the project.*
- Project for Latvian Air Navigation Service “Development of Topology of ATN Network of the Republic of Kazakhstan and Determination of the Optimal Routing Architecture” (2001). - *Head of the project.*
- Project for Latvian Air Navigation Service “Scientific and Technical, Expert and Consulting Services in the Area of ANS Activities” (2001). - *Head of the project.*
- Project for Latvian Air Navigation Service “Methods of Efficiency Improvement of ATC Immovable Objects Alarm without Constant Presence of Personnel” (2001). - *Head of the project.*
- Project for Latvian Air Navigation Service “Analysis of tendencies of VDL Mode 4 utilization in CNS/ATM and the development of the main approaches to its use in Air Traffic Management system of Latvia” (2000). - *Head of the project.*
- Project for Latvian Air Navigation Service “Development of Air Traffic Control systems maintenance programme for improvement of the reliability of Air Navigation Service” (2000). - *Head of the project.*
- “Engineering Education and Research Integration in Latvia”. European TEMPUS Project S-JEP-09777/95 (1995-1998) - *Co-ordinator of the Project*
- “Computer Aided Remote Control and Monitoring of Air Traffic Control Systems”. Project of Estonian Civil Aviation Administration (1997) - *Head of the Project*
- “Computer Aided Remote Maintenance and Monitoring of Air Traffic Control Systems”. Project of Estonian Civil Aviation Administration (1993-1994) - *Head of the Project*

- “Expert and Artificial Intelligence Systems for Air Navigation Service and ATC Systems Maintenance”. Project of Estonian Civil Aviation Administration (1993-1994) - *Head of the Project*