



## Curriculum Vitae

### Personal information

First name(s) / Surname(s)

**Adam TOROK**

M.Sc. in Transport Engineering

M.Sc. in Economic Engineering

D.Sc. in Transport Sciences

Ph.D. in Business and Management

### Current Occupational field

**Research professor**

#### Jobs

2019-2022	<b>BME – Faculty of Transport Engineering and Vehicle Engineering</b> , full professor
2021 -	<b>KTI - Institute for Transport Science Non-Profit Ltd.</b> , research professor
2019 - 2021	<b>KTI - Institute for Transport Science Non-Profit Ltd.</b> , scientific advisor
2019-2022	<b>BME – Faculty of Transport Engineering and Vehicle Engineering</b> , habilitated associate professor
2017-2019	<b>BME – Faculty of Transport Engineering and Vehicle Engineering</b> , associate professor
2016-	<b>BME – Faculty of Transport Engineering and Vehicle Engineering</b> , vice-dean responsible for international cooperation and research
2014-2017	<b>BME - Department of Transport Technology and Economics</b> , senior lecturer
2012-2014	<b>BME - Department of Transport Technology and Economics</b> , research fellow
2008 - 2019	<b>KTI - Institute for Transport Science Non-Profit Ltd.</b> , research fellow
2009 -2011	<b>BME - Department of Transport Economics</b> , assistant research fellow
2007-2008	<b>KTI - Institute for Transport Science Non-Profit Ltd.</b> , assistant research fellow

## Work experience

- Oct 19. 2023 Invited speaker at the 2nd Cognitive Mobility Conference, Budapest
- Oct 12. 2023 Invited speaker at the 1st Cognitive Mobility Conference, Budapest
- 2020 - 2024 OTKA – K20 – 134760 Heterogeneity of user preferences and their impact on the evaluation of transport projects
- May 9-11 2017 Invited lecturer of 7th International Jordan Conference of Civil Engineering.
- Jul 24 – Aug 2. 2016 Lecturer at 2nd Eu-Sino Doctoral School, Peking, 40 students were participated from 11 countries
- 2016- **Training for Energetic Auditor** (MMK) transport energetics
- Jul. 6-10. 2016. **ICTTE (5th International Conference on Transportation and Traffic Engineering) 2016, Switzerland, Lucerne** *member of technical committee*
- 2015- **Prospect - Proactive Safety for Pedestrian and Cyclists, EU H2020 Framework Programme**, Research and Development project, *researcher*
- Nov. 27-28. 2014 International Conference for Transport and Traffic Engineering, *Chairman in section of Landuse and Transport Economics*
- Aug 25-29 2014 Organizer and Lecturer at 1st Logistic and Intermodal Summer School for the Danube Region, Novi Sad, 30 students were 7 countries participated
- 2014 **6<sup>th</sup> National Communication to the UNFCCC Hungary**, ENSZ, külső szakértő
- 2014 **Optimization of financial funding of ferries in Hungary**, research financed by Ministry, *researcher*
- March 28. 2014. **SEE-ITS** (Intelligent Transport Systems in South East Europe) project third workshop in Romania, Timisoara, *invited speaker*
- Dec. 6-8. 2013. **Toyotarity in the European culture, Poland** *member of scientific committee*
- 2013-2014 **ForFITS - For Future Inland Transport Systems**, financed by UNECE, expert
- Oct. 17-19. 2013. **AMMA (Automotive Motor Mobility Ambient) 2013, Romania** *member of scientific committee*
- April 25-28. 2013 **XXI. International Conference on Mechanical Engineering** organized by Hungarian Technical Scientific Society of Transylvania, *Chairman in section of Vehicles*
- March 21-22. 2013 **SEE-ITS** (Intelligent Transport Systems in South East Europe) project first workshop in Hungary, Budapest, *invited moderator*
- 2013 - 2014 **Providing Dynamic Transport Data for Hungarian Transit Ways**, research financed by TÁMOP, *researcher*
- 2013 - 2014 **National Transport Strategy** (Aviation Working group; Transport Policy working group), financed by Ministry, *researcher*
- 2012-2013 **Cooperation for sustainable transport in the Visegrad region** financed by International Visegrad Fund, *external expert*
- 2012-2013 **Sustainable society and lifelong education for safer mobility**. The research were supported by TEMPUS Public Foundation, *research leader*
- Nov. 28-30. 2012 International Conference for Transport and Traffic Engineering, *Chairman in section of Sustainable Development*
- Nov. 7-9. 2012. Conference for **European Platform of Transport Sciences** in Budapest, *organiser*
- 2012 participating in the project “**CBA of road safety measures**”
- 2012 **Rail hub cities and TEN-T network (RAIL4SEE)** Research and Development project financed by South East Europe and co financed by European Union, *researcher*
- 2012 **EUropean Transport Research Area INternational Cooperation Activities (EUTRAIN)** EU 7<sup>th</sup> Framework Program, Research and Development project, *researcher*
- 2012 **Feasibility study of Virtual Contingency Tower**, financed by HungaroControl, *researcher*
- 2012 **Accessible Transport Strategy for Budapest and its suburb**, financed by Ministry, *researcher*
- 2011 **Budapest Capital Environmental Status Report**, financed by Budapest Capital, *researcher*
- 2009-2013 **Development and usage possibilities of road vehicle simulators in Hungary**, financed by Ministry, *researcher*
- 2009 **5<sup>th</sup> National Communication to the UNFCCC Hungary**, financed by UNECE, *internal expert*



- 2007 **The feasibility study actualization of 4<sup>th</sup> metro line of Public Transport of Budapest Plc by the usage of HEATCO methodology**, financed by BKV, researcher
- 2006-2007 **Port choice model for common logistics operation in the region of Crete**, financed by Ministry, researcher in Hellenic Institute for Transport
- 2006 **Feasibility study of fleet management at Hungarian Post Plc**, financed by Hungarian Post, Lead the economic workgroup for Advanced Vehicles & Vehicle Control Knowledge Center
- 2005-2007 **Generalisation of Research on Accounts and cost estimation** (GRACE) financed by EU 6<sup>th</sup> Framework Programme, Research and Development project, researcher
- 2005-2006 **Attacks on international drivers of heavy goods vehicles**, the project was co-financed by International Road Transport Union (IRU) and Organization for Economic co-operation and development (OECD), researcher
- 2005 **The contradict of liability of maintenance and feasibility at Public Transport of Budapest Plc**, financed by BKV, researcher
- 2004-2006 **Developing Harmonized European Approaches for Transport Costing and Project Assessment** (HEATCO), financed by EU 6th Framework Program, Research and Development project, researcher

## Education and training

### Education

- 2021 Doctor of Science by Hungarian Academy of Sciences
- 2019 Habilitation by Budapest University of Technology and Economics
- 2014 - 2016 PhD studies in Doctoral School of Business and Management Budapest University of technology and Economics, **earned a PhD in 2016.**
- 2012 **Road Safety Auditor**
- 2004-2008 PhD Studies in Gábor BAROSS Transport Science Doctoral School in Budapest University of Technology and Economics, **earned a PhD in 2008**
- 2004-2007 BME Budapest University of Technology and Economics Economic Engineering, **MSc in Economic Engineering**
- 1999-2004 BME Budapest University of Technology and Economics Transport Engineering, **MSc in Transport Engineering**

### Training

- 2014/2015/01 ERASMUS LLP: Vilnius Gediminas Technical University: **Research On Second Generation Biofuel Blends** (contact: Dr. Jonas Matijosius Ph.D.)
- Oct.1-2. 2013. **SENSOR (South East Neighbourhood Safe Routes - SEE)** road safety auditor training
- 2013.07. Guest researcher at Erfurt Applied University Transport and Spatial Planning Institute in Germany. Topic: **Economic impacts on destination air traffic following a flag carrier's market exit: a case study for Budapest**, Supervisor: Prof. Dr. Florian HEINITZ.
- 2012/2013/01 ERASMUS LLP: Technical Univeristy of Chestohowa: **Toyotarity in urban traffic controlling** (contact: Dr inż. Renata Stasiak-Betlejewska PhD)
- 2012.07. Guest researcher at Erfurt Applied University Transport and Spatial Planning Institute in Germany. Topic: **Usage of production function in the analysis of relation between transport and environment** Supervisor: Prof. Dr. Florian HEINITZ.
- 2011/2012/02 ERASMUS LLP: Vilnius Gediminas Technical University: **Ecological investigation of diesel engines focusing on biobutanol and biodiesel** (contact: Dr. Olegas Prentkovskis PhD)
- 2011/2012/01 ERASMUS LLP: Technical Univeristy of Chestohowa: **Economical investigation of rapid prototype vehicle parts** (contact: Dr inż. Renata Stasiak-Betlejewska PhD)
- 2010/2011/02 ERASMUS LLP: Vilnius Gediminas Technical University: **Alternative fuels in road transport** (contact: Dr. Olegas Prentkovskis PhD)
- 2010/2011/01 ERASMUS LLP: Technical Univeristy of Chestohowa: **Statistical and qualitative analysis of Budapest's traffic** (contact: Dr inż. Renata Stasiak-Betlejewska PhD)
- 2009/2010/01 ERASMUS LLP: **Technical Univeristy of Chestohowa: Social and economic effects of liquid fuel blends** (contact: Dr. Stanislaw Szwaja PhD)



- 2008/2009/02 ERASMUS LLP: Technical University of Chestohowa: **Environmental and economic effect of biofuel blends** (contact: Dr. Stanislaw Szewaja PhD)
- 2007 3rd TRANSPORTNET course: „**Transport Modeling and Forecasting**”, University of Aegean, The Department of Shipping, Trade and Transport, Greece
- 2005 INFRATRAN Autumn School „**Road Pricing: Valuation and Simulation issues**”, Technische Universität Berlin, Workgroup for Infrastructure Policy (WIP), Germany
- 2004 In NEPTUNE (Network for Environmental Project in Technology, UNited in Europe) project I participated in CliniCalonne international research
- 2004 In ATHENS (Advanced Technology Higher Education Network) program I participated in Paris the **Car dynamics and crash tests course**.

### Scholarships

- 2016-2019 Bólyai János **research fellowship of Hungarian Academy of Science**
- 2011-2014 Bólyai János **research fellowship of Hungarian Academy of Science**
- 2008 1<sup>st</sup> price of **Harsányi István Scholarship for Ph.D. dissertation**.
- 2005 1<sup>st</sup> price of **Association for Transport Sciences for M.Sc. thesis**

### Memberships

- 2024- *Chairman of the Scientific Committee on Transport and Vehicles of the Hungarian Academy of Sciences*
- 2021- Member of the Board - Mechanical Engineering Scientific Association
- 2021-2023 *Chairman of the Scientific Committee on Transport and Vehicles of the Hungarian Academy of Sciences*
- 2017-2020 *Secretary of the Scientific Committee for Transport and Vehicles of the Hungarian Academy of Sciences*
- 2023 - Editor-in-chief of **Periodica Polytechnica Transport Engineering**
- 2022 - Managing Editor of **Cognitive Sustainability**
- 2021 - Managing Editor of **Transport and Mobility** (Hungarian)
- 2019 - *Internal member of the Kálmán Kandó Doctoral School of Transport and Vehicles Sciences*
- 2017 - *Member of the Scientific Committee of Transport and Vehicle Science of the Hungarian Academy of Sciences*
- 2016 - 2023 Managing Editor of **Periodica Polytechnica Transport Engineering**
- 2016 - Editorial member of **Transport Science Review** (Hungarian)
- 2011-2019 KTE – **Association for Transport Sciences** – junior representative
- 2012 - Member of editorial board of **Promet – Traffic – Traffico**
- 2011 - Member of editorial board of **Transport**
- 2011 - Member of editorial board of **International Journal of Transportation and Traffic Engineering**
- 2011 - 2014 corresponding member of **PIARC Technical Committee 1.3.**
- 2008-2010 **ERTRAC** (European Transport Research Advisory Council) **Hungary** Environment and Energy Workgroup, 2010 final research report: **The future of road transport in Hungary**
- 2008- member of public body, Hungarian Academy of Sciences, Scientific Committee on Transport Engineering
- 2007 - 2011 representing member **of PIARC Technical Committee A.3.**

### Publication activity

**Foreign reviewed articles:** 106  
**Domestic reviewed article:** 48  
**Foreign presentations:** 56  
**Domestic presentations:** 46



**Personal skills and competences**

Mother tongue(s) **Hungarian**

Other language(s)

Self-assessment

*European level (\*)*

**English**

**German**

<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>	
Listening		Reading		Spoken interaction		Spoken production			
	C1		C1		C1		C1		C1
	B1		B1		B1		B1		B1

(\*) [Common European Framework of Reference for Languages](#)

Computer skills and competences 1999 ECDL

Driving licence 1999 B category

