



## Curriculum Vitae

### Personal information

First name(s) / Surname(s)

**Adam TOROK**

M.Sc. in Transport Engineering

M.Sc. in Economic Engineering

Ph.D. in Transport Sciences

Ph.D. in Business and Management

Nationality

Hungarian

Date of birth

January 18 1981.

Gender

Male

Mobile:

+36-20-9932010

E-mail

torok.adam@mail.bme.hu

### Current Occupational field

**Researcher**

#### Jobs

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

### Work experience

- May 9-11 2017 Invited lecturer of Seventh International Jordan Conference of Civil Engineering.
- Jul 24 – Aug 2. 2016 Lecturer at 2nd Eu-Sino Doctoral School, Peking, 40 students were participated form 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	<b>6<sup>th</sup> National Communication to the UNFCCC Hungary</b> , ENSZ, külső szakértő
2014	<b>Optimization of financial funding of ferries in Hungary</b> , research financed by Ministry, researcher
March 28. 2014.	<b>SEE-ITS (Intelligent Transport Systems in South East Europe)</b> project third workshop in Romania, Timisoara, <i>invited speaker</i>
Dec. 6-8. 2013.	<b>Toyotarity in the European culture</b> , <i>Poland member of scientific committee</i>
2013-2014	<b>ForFITS - For Future Inland Transport Systems</b> , financed by UNECE, expert
Oct. 17-19. 2013.	<b>AMMA (Automotive Motor Mobility Ambient) 2013, Romania</b> <i>member of scientific committee</i>
April 25-28. 2013	<b>XXI. International Conference on Mechanical Engineering</b> organized by Hungarian Technical Scientific Society of Transylvania, <i>Chairman in section of Vehicles</i>
March 21-22. 2013	<b>SEE-ITS (Intelligent Transport Systems in South East Europe)</b> project first workshop in Hungary, Budapest, <i>invited moderator</i>
2013 - 2014	<b>Providing Dynamic Transport Data for Hungarian Transit Ways</b> , research financed by TÁMOP, researcher
2013 - 2014	<b>National Transport Strategy (Aviation Working group; Transport Policy working group)</b> , financed by Ministry, researcher
2012-2013	<b>Cooperation for sustainable transport in the Visegrad region</b> financed by International Visegrad Fund, <i>external expert</i>
2012-2013	<b>Sustainable society and lifelong education for safer mobility</b> . The research were supported by TEMPUS Public Foundation, <i>research leader</i>
Nov. 28-30. 2012	International Conference for Transport and Traffic Engineering, <i>Chairman in section of Sustainable Development</i>
Nov. 7-9. 2012.	Conference for <b>European Platform of Transport Sciences</b> in Budapest, <i>organiser</i>
2012	participating in the project " <b>CBA of road safety measures</b> "
2012	<b>Rail hub cities and TEN-T network (RAIL4SEE)</b> Research and Development project financed by South East Europe and co financed by European Union, researcher
2012	<b>EUropean Transport Research Area INternational Cooperation Activities (EUTRAIN)</b> EU 7 <sup>th</sup> Framework Program, Research and Development project, researcher
2012	<b>Feasibility study of Virtual Contingency Tower</b> , financed by HungaroControl, researcher
2012	<b>Accessible Transport Strategy for Budapest and its suburb</b> , financed by Ministry, researcher
2011	<b>Budapest Capital Environmental Status Report</b> , financed by Budapest Capital, researcher
2009-2013	<b>Development and usage possibilities of road vehicle simulators in Hungary</b> , financed by Ministry, researcher
2009	<b>5<sup>th</sup> National Communication to the UNFCCC Hungary</b> , financed by UNECE, internal expert
2007	<b>The feasibility study actualization of 4<sup>th</sup> metro line of Public Transport of Budapest Plc by the usage of HEATCO methodology</b> , financed by BKV, researcher
2006-2007	<b>Port choice model for common logistics operation in the region of Crete</b> , financed by Ministry, researcher in Hellenic Institute for Transport
2006	<b>Feasibility study of fleet management at Hungarian Post Plc</b> , financed by Hungarian Post, <i>Lead the economic workgroup for Advanced Vehicles &amp; Vehicle Control Knowledge Center</i>
2005-2007	<b>Generalisation of Research on Accounts and cost estimation (GRACE)</b> financed by EU 6 <sup>th</sup> Framework Programme, Research and Development project, researcher
2005-2006	<b>Attacks on international drivers of heavy goods vehicles</b> , the project was co-financed by International Road Transport Union (IRU) and Organization for Economic co-operation and development (OECD), researcher
2005	<b>The contradict of liability of maintenance and feasibility at Public Transport of Budapest Plc</b> , financed by BKV, researcher
2004-2006	<b>Developing Harmonized European Approaches for Transport Costing and Project Assessment (HEATCO)</b> , financed by EU 6 <sup>th</sup> Framework Program, Research and Development project, researcher



## Education and training

### Education

- 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 University of Chestohowa: *Toyotarity in urban traffic controlling (contact: Dr inż. Renata Stasiak-Bettejewska 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 University of Chestohowa: *Economical investigation of rapid prototype vehicle parts (contact: Dr inż. Renata Stasiak-Bettejewska 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 University of Chestohowa: *Statistical and qualitative analysis of Budapest's traffic (contact: Dr inż. Renata Stasiak-Bettejewska PhD)*
- 2009/2010/01 ERASMUS LLP: *Technical University 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 Szwaja 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

- 2012 - Hungarian Logistics Association



- 2012 - Hungarian Technical Scientific Society of Transylvania
- 2012 - Chamber of Hungarian Engineers (ID: 01-13876)
- 2011-2019 *Young Forum of European Platform of Transport Sciences*, member of Board
- 2019 KTE – *Association for Transport Sciences* – member of board
- 2011-2019 KTE – *Association for Transport Sciences* – junior representative
- 2011- Member of editorial board of *Transport Journal of Taylor and Francis*
- 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: 55  
 Domestic reviewed article: 22  
 Foreign presentations: 32  
 Domestic presentations: 32

**Personal skills and competences**

Mother tongue(s) **Hungarian**

Other language(s)

Self-assessment

*European level (\*)*

**English**

**German**

Understanding		Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production	
	C1		C1		C1		C1
	B1		B1		B1		B1

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

Computer skills and competences

Driving licence

1999 ECDL  
 1999 B category

