

# Curriculum Vitae



## Personal information

Name **János Tóth PhD.**  
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E-mail toth.janos@mail.bme.hu  
Nationality Hungarian  
Date of Birth 22. May 1967  
Sex Male

## Profession **University teacher**

### **Place of Work**

2013- Budapest University of Technology and Economics, Faculty of Transportation and Vehicle Engineering, Department of Transport Technology and Economics, head of department  
2007-2012 Budapest University of Technology and Economics, Faculty of Transportation and Vehicle Engineering, Department of Transport Technologys, head of department  
2005- Budapest University of Technology and Economics, Faculty of Transportation Engineering, Department of Transport Technologys, associate professor  
1997-2005 Budapest University of Technology and Economics, Faculty of Transportation Engineering, Department of Transport Technologys, assistant professor  
1993-1996 Budapest University of Technology and Economics, Faculty of Transportation Engineering, Department of Transport Technologys, full time assistant lecturer  
1992-1993 Budapest University of Technology and Economics, Faculty of Transportation Engineering, Department of Transport Technologys, associate professor part time assistant lecturer  
1991-1994 Budapest University of Technology and Economics, Faculty of Transportation Engineering, Department of Transport Technologys, PhD student

## **Professional experiences**

Organizing surveys of public transport passengers and evaluation of data  
Developing Passenger Information Systems  
Planning of public transport networks in Hungarian towns  
Planning of Demand Responsive Transport in Hungary (EU funded MASCARA project)  
Developing Electronic Data Interchange (EDI) in goods transport  
Planning of Intelligent Transport Systems  
Developing Automatic Vehicle Location Systems (AVL) in public transport  
„A színvonal és a gazdaságosság összefüggéseinek vizsgálata” c. tanulmány elkészítése

## **Education and Training**

### **Study**

- 2001 Instituto Superior de Engenharia de Lisboa (Portugal),  
„The Wakening of an Atlantic Gate”: Urban rehabilitation project where the Olivais Velho area of Lisbon has to be developed as cultural heritage and integrated with the modern city on the front river.
- 2000 Università degli studi L'Aquila (Italy), "A thousand years of difference in L'Aquila": Development of proposals for the restoration and the tourist development of 5 villages in the Subequo Valley, taking into account the medieval characteristics and the beautiful scenery.
- 1992 Liverpool, John Moores University (England), "Turning the tide": regeneration of Liverpool's North Docks.
- 1991 Leeuwarden (the Netherlands), Noordelijke Hogeschool Leeuwarden, „Markerwaard” planning of a new city in one of the Dutch polders.
- 1991-1994 Budapest University of Technology, Faculty of Transportation Engineer, doctoral course
- 1986-1991 Budapest University of Technology, Transportation Engineer (graduate course)

### **Doctoral thesis**

- 2004 PhD thesis: „Observing the process of overland transport of goods with application of electronic data interchange”
- 1996 University thesis: „System of public transport connection in a city and its surroundings”

### **Organisational membership**

- 2011-2017 Secretary of Committee on Transport Engineering of Hungarian Academy of Sciences
- 2011-2010- General Secretary of Hungarian Scientific Association for Transport  
Chairman of the Board of Trustees of the Hungarian Foundation for Transport Engineering
- 2008- Member of Editorial Board of Scientific Review of Transport
- 2007-2011 Deputy General Secretary of Hungarian Scientific Association for Transport
- 2005- Member of Committee on Transport Engineering of Hungarian Academy of Sciences
- 2003-2008 Vice president of Young Forum of European Platform of Transport Sciences
- 1997-2007 President of Young Committee of Hungarian Scientific Association for Transport
- 1991- Member of Hungarian Scientific Association for Transport

### **Publication activity in English**

Ortega J. ; **Tóth J.** ; Palaguachi J ; Sabbani I: Optimization Model for School Transportation Based on Supply-Demand Analyses  
JOURNAL OF SOFTWARE ENGINEERING AND APPLICATIONS 12 : 06  
pp. 215-225. , 11 p. 2019

Turon K. ; Czech P. ; **Tóth J.**:SAFETY AND SECURITY ASPECTS IN SHARED MOBILITY SYSTEMS  
Zeszyty Naukowe Politechniki Śląskiej. Seria Transport 104 pp. 169-175. , 7 p. (2019)

Ortega J.; **Tóth J.**; Péter T.:Estimation of parking needs at Light Rail Transit System stations  
In: Horváth, Gábor; Gaál, Bertalan; Horváth, Balázs (szerk.)  
Közlekedéstudományi Konferencia Győr 2019 Conference on Transport Sciences : Alternatív-Autonóm-Kooperatív-Komparatív Mobilitás Győr, Magyarország : Széchenyi István Egyetem, (2019) p. 1

Horváth M. T.; Mátrai T.; **Tóth J.**:Route Planning Methodology with Four-step Model and Dynamic Assignments  
TRANSPORTATION RESEARCH PROCEDIA 27 pp. 1017-1025. , 9 p. (2017)

Mátrai T.; **Tóth J.**:Comparative assessment of public bike sharing systems  
TRANSPORTATION RESEARCH PROCEDIA 14 : C pp. 2344-2351. , 8 p. (2016)

Mátrai T.; **Tóth J.**; Horváth M. T.:ROUTE PLANNING BASED ON URBAN MOBILITY MANAGEMENT  
HUNGARIAN JOURNAL OF INDUSTRY AND CHEMISTRY 44 : 2 pp. 71-79. , 9 p. (2016)

Mátrai T.; **Tóth J.**: Comparative assessment of public bike sharing systems  
In: Rafalski, L (szerk.)  
Transport Research Arena 2016 : 6th European Transport Research Conference

**Tóth J.**: Basic examination of electronic data interchange in road, rail and combined transport of goods  
Periodica Polytechnica, Budapest, 2002, Transportation Engineering Ser. Transp. Eng. Vol. 29, No 1, p. 35-45 Budapest

Mátrai T.; Mándoki P; **Tóth J.**:Benchmark tool for bike sharing systems  
In: Olja, Čokorilo (szerk.)  
International Conference on Traffic and Transport Engineering  
Belgrád, Szerbia : City Net Scientific Research Center, (2016) pp. 550-558. , 9 p.

Esztergár-Kiss D.; Válóczy D.; Aba, A.; **Tóth J.**:NFC technology based models for electronic fare collection systems  
In:  
European Transport Conference 2014  
Association for European Transport, (2014) Paper: 4097 , 14 p.

**Tóth J.**: „Introduction to module O4” lecture on EuroConnect Master of Science European Traffic and Transportation course  
Budapest, 19. nov. 2007

**Tóth J.**: „Introduction to module O4” lecture on EuroConnect Master of Science European Traffic and Transportation course  
Budapest, 17. nov. 2005

**Tóth J.**: „Integrated public transport in Budapest” lecture on EuroConnect Master of Science European Traffic and Transportation course  
Budapest, 14. nov. 2005

**Tóth J.**: „Integrated public transport in Budapest” lecture on EuroConnect Master of Science European Traffic and Transportation course  
Budapest, 17. nov. 2003

**Tóth J.**: „The barrier effects of the Danube in Budapest” lecture on EUREKA symposium  
Leeuwarden (The Netherlands), Noordelijke Hogeschool Leeuwarden  
11. dec. 1996

**Tóth J.:** „The public transport in Budapest” lecture on Msc European Traffic and Transportation Cluster course  
Leeuwarden (The Netherlands), Noordelijke Hogeschool Leeuwarden  
09. dec. 1996

**Tóth J.:** „Transportation data in database system” lecture on „5th International Workshop” conferencen  
Graz, TUG, 03. oct. 1995

**Tóth J.:** „Urban Transport Planning (Public transport policy)” lecture on „Greening Urban Transport” conference  
Budapest, BME, 07. june 1995