






Curriculum Vitae

Personal details:

Name: Dávid FÖLDES PhD
Date of Birth: 11 May 1991
Graduation: Doctor of Philosophy, Transport Science Ph.D.
(BME, 2019)
Telephone: +36-20-570-4667
E-mail address: foldes.david@kjk.bme.hu



 [linkedin.com/in/davidfoldes1](https://www.linkedin.com/in/davidfoldes1)
 orcid.org/0000-0003-4352-8166
 webofscience.com/wos/author/record/1521738
 researchgate.net/profile/David_Foeldes
 bme.academia.edu/DavidFoldes

Education:

2016 - 2019 Budapest University of Technology and Economics (BME), Faculty of Transportation Engineering and Vehicle Engineering (KJK), Department of Transport Technology and Economics (KUKG), Kandó Kálmán Doctoral School of Transportation Sciences (PhD)
Transport Science Ph.D, summa cum laude
title of the dissertation: Development of Innovative Transport Systems and Mobility Services

2014 - 2016 Budapest University of Technology and Economics (BME), Faculty of Transportation Engineering and Vehicle Engineering (KJK), Transportation Engineering (MSc)

2010 – 2014 Budapest University of Technology and Economics (BME), Faculty of Transportation Engineering and Vehicle Engineering (KJK), Transportation Engineering (BSc)

Languages:

- Hungarian - mother language
- English – C1 level
- German – A1 level

Full time job:

Budapest University of Technology and Economics, Faculty of Transportation Engineering and Vehicle Engineering, Department of Transport Technology and Economics
11.2019 - research associate
6.2018 – 10.2019 research assistant

Education activities (BME, Department of Transport Technology and Economics):

Subjects:

- Work Organizations (B.Sc.) – responsible lecturer, lectures and practice lessons in Hungarian (2021 -)
- Transport Information Systems I-II. (B.Sc.) – practice lessons in Hungarian (2016 -)
- Transportation Informatics (M.Sc.) – practice lessons in Hungarian and in English (2016 -)
- Passenger Transportations (M.Sc.) – practice lessons in Hungarian and in English (2016 -)
- Work Organizations (Ph.D.) – lectures in Hungarian (2021 -)
- Planning of Transport Databases (Ph.D.) - lectures in Hungarian (2022 -)

Other activities:

- Elected Member of the Faculty Board, Faculty of Transportation Engineering and Vehicle Engineering (2020 -)
- Deputy Secretary of Faculty grassroots organization of FDSZ-BME trade union (2024 -)
- Supervisor of PhD topics (2021 -)
 - students with the title: 1, Ákos Péter Szilassy 2024
 - active students: 3, 2021 - , Ali Maktabifard 2022 - , Szilárd Szigeti 2022 - , Márton Korompay 2024 -
- supervision of students' research activities (TDK) (2019 -)
number of (TDK) papers: 10, number of papers ranked: I. place: 1, II. place: 4, III. place: 1
- supervision of thesis (2018 -)
in Hungarian: 16, in English: 4; KTE Thesis Award I. place: 1, II. place: 1
- guest lecturer
 - West Pomeranian University of Technology and Economics, Szczecin (2017, 3 lectures)
 - University of Zagreb (2018, 1 lecture)
 - University of Krakow (2019, 1 lecture)
 - Gdansk University of Technology and Economics (2020, 2021, 5-5 online lectures)
- responsible for the operation of Moodle learning platform at the Faculty (2019 -)

Research activities:

Research fields:

- transport informatics, personalised information services
- traveller's behaviour, cognitive capabilities
- multimodal transportation networks, graph modelling
- smart city, smart mobility, Intelligent Transportation System (ITS)
- innovative, shared, on-demand mobility services
- micromobility
- mobility based on Autonomous Vehicles (AV)

Scientific publications:

Number of scientific papers in total/since Ph.D. graduation: 74/45

- book chapter in English: 2/2
- journal paper with IF (Impact Factor): 10/7
- journal paper without IF in English (published abroad): 6/3
- journal paper without IF in English (published in Hungary): 3/3
- journal paper without IF in Hungarian (published in Hungary): 12/6
- conference paper in English (published in international conference proceedings): 22/14
- conference paper in Hungarian (published in domestic conference proceedings): 18/9
- other journal paper in English: 2/1

Lecture notes:

- book in English (published in Hungary): 1
- book in Hungarian (published in Hungary): 1
- university lecture notes in Hungarian: 2
- university lecture notes in English: 1

Q-index: 18.283, Hirsch-index: 13, number of independent citations: 480

publication list: <https://vm.mtmt.hu//search/slist.php?lang=1&AuthorID=10050827>

Scientific Students' Associations Conference:

- Elaboration bicycle route estimation method and past it in multimodal urban route planning (1st prize; 2nd prize in National Scientific Students' Associations Conference), Budapest University of Technology and Economics (BME), Faculty of Transportation Engineering and Vehicle Engineering (KJK), Transportation Operation Section, 2013. (in Hungarian)
- The elaboration of an algorithm promoting to choose stops for personalised transport information applications (1st prize, Rector's Special Award) Budapest University of Technology and Economics (BME), Faculty of Transportation Engineering and Vehicle Engineering (KJK), Transportation Organization Section, 2015. (in Hungarian)

Awards:

- Best Student Paper Award: Dávid Földes, Csaba Csiszár: Revealing correspondences between bikers' mobility and information management attributes; 5th IEEE International Conference on Advanced Logistics and Transport, 1-3 June 2016. Krakow, Poland
- ITS Hungary Excellence Award, ITS Hungary Association – category: best MSc thesis: Developing information services for bikers. 2016
- Best Thesis Award, Hungarian Scientific Association for Transport (KTE) – II. place, MSc thesis: Developing information services for bikers, 2017
- Literary Award, Hungarian Scientific Association for Transport (KTE), 2020
- European Friedrich-List Award 2020, category Ph.D. dissertation: Development of Innovative Transport Systems and Mobility Services; 2020., European Platform of Transport Sciences (EPTS)
- Pro Progressio Foundation, TDK Lecturer Scholarship, 2020
- UNI BME Startup Program, "Bolley – The optimised e-bus network" startup, I. place, investment proposition (Dr. Bálint Csonka, Dr. Csaba Csiszár, Havas Márton), 2020
- Literary Award, Hungarian Scientific Association for Transport (KTE), 2023

Scholarships:

- New National Excellence Program, PhD student research scholarship (ÚNKP-17-3-i), 'Planning and operational methods of innovative transportation systems', September 2017 - June 2018.
- EFOP-3.4.4-16-2017-00030, student scholarship, 'Future of roads - career choice and autonomous vehicles', April 2018 – September 2019
- Visegrad Fund Scholarship, 'Improving the service quality to facilitate the use of car-sharing', hosting university: Czech Technical University in Prague, September 2022 – June 2023
- Bolyai János Research Scholarship, 'Development methods and impact estimation of innovative shared mobility services', July 2023 – June 2026

Participation in projects:

- TÁMOP-4.2.2.C-11/1/KONV-2012-0012 „Smarter Transport” tender: Route Plan Evaluation Method for Personalized Passenger Information Service, 2013.
- Charging infrastructure deployment concept - containing national database and uniform digital map. study; principal: e-Mobi Kft. 2017
- Széllkapu garage - Concept of Electromobility Research Centre. study; principal: eVerda Kft, 2017.
- EFOP-3.4.4-16-2017-00030 'Future of roads - career choice and autonomous vehicles', 2018-2020
- European Union Horizon 2020. Electric travelling: Platform to support the implementation of electromobility in Smart Cities based on ICT applications, 2018-2020

- BME FIKP-MI/FM ‘Higher Education Excellence Program of the Ministry of Human Capacities in the frame of Artificial Intelligence research area of Budapest University of Technology and Economics’, 2018-2021. Planning and operation of mobility services based on autonomous vehicles focusing on electric propulsion and charging.
- EFOP3.6.3-VEKOP-16-2017-00001 ‘Talent management in autonomous vehicle control technologies’, supervision of 10 students, 2019-
- Corvinus University of Budapest ‘Societal impacts of autonomous vehicles’, 2019-2022
- National Laboratory for Autonomous Systems, Social Acceptance research group, 2021
- 2019-2.1.11-TÉT Bilateral Science and Technological collaboration between China and Hungary, ‘Methods to Optimize the Energy Use of Electric Road Vehicles’, 2021-2023
- HORIZON-CL5-2021-D6-01-09 Climate resilient and environmentally sustainable transport infrastructure, focus on inland waterways, Horizon Europe, „Deployment and Assessment of Predictive modelling, environmentally sustainable and emerging digital technologies and tools for improving the resilience of IWW against Climate change and other extremes – the Ploto1 Approach”, 2022-2026
- Energy and Infrastructure Analysis for the Budapest Public Transport Vehicle Strategy and the Action Plan to be developed in the EfficienCE project. BKK Centre for Budapest Transport, **project leader**, 2022
- Driving Urban Transition DUT, „SUMODO - Sustainable Urban MObility Development in Outskirts”, 2023-2026
- OTKA K-22, ‘How to promote shared mobility services? Combining psychological and engineering correspondences in planning methods’, 2024-2027

Public activities:

- Hungarian Academy of Sciences (MTA), Committee on Transport Engineering, member of public body, 2019-
- Hungarian Scientific Association for Transport (KTE), Committee on Urban Transport, member, 2017-

Budapest, 12 February 2024

Dávid FÖLDES, PhD