

Marcin Kiciński

Subjects: **Transportation** | **Engineering, Civil**

Contributor: Marcin Kicinski

sustainable transport

MCDM


optimization transport

mathematical modeling

public transport

logistics

Basic Information



Birth

Środa Wielkopolska, Poland

Location:

Title:

Scientist

Affiliations:

Poznań University of Technology, Hipolit Cegielski
State College of Higher Education in Gniezno

Honor:

Unknown

Name: Marcin Kiciński

(Jul 1975–)

1. Current Research Interests

- Freight and passenger transport and logistics,
- Sustainability transport and logistics,
- Transport infrastructure development,
- Military logistics (military air bases),
- Transport accessibility.
- Methods and techniques: multicriteria decision making (MCDM/MCDA), multiple criteria optimization, mathematical modelling.

2. Education

- 2014-2015: postgraduate studies: project manager of research and development, WSB University (University Schools of Business), Poznan (Poland)
- 2000-2012: Ph.D., Poznan University of Technology, Poznan, Poland (multiple criteria decision making in bus public transport company)
- 2004: Faculdade de Engenharia da Universidade do Porto, University of Porto – Portugal (fleet management in public transport)
- 1995-2000: M. Sc. (Eng.) in Transportation Engineering, Poznan University of Technology (Poland)

3. Principal Publications

- Goraj, R.; Kiciński, M.; Ślefarski, R.; Duczkowska, A. Validity of decision criteria for selecting power-to-gas projects in Poland, *Utilities Policy* **2023**, 83,101619, <https://doi.org/10.1016/j.jup.2023.101619>
- Merksiz-Guranowska, A.; Shramenko, N.; Kiciński, M.; Shramenko, V. Simulation Model for Operational Planning of City Cargo Transportation by Trams in Conditions of Stochastic Demand. *Energies* **2023**, 16, 4076. <https://doi.org/10.3390/en16104076>
- Solecka, K.; Kiciński, M. A Multi-Criteria Evaluation of Applications Supporting Public Transport Users. *Energies* **2022**, 15, 3493. <https://doi.org/10.3390/en15103493>
- Shramenko, N.; Merksiz-Guranowska, A.; Kiciński, M.; Shramenko, V. Model of Operational Planning of Freight Transportation by Tram as Part of a Green Logistics System. *AoT* **2022**, 63, 113–122. <http://doi.org/10.5604/01.3001.0015.9929>
- Schmidt, M.; Zmuda-Trzebiatowski, P.; Kiciński, M.; Sawicki, P.; Lasak, K. Multiple-Criteria-Based Electric Vehicle Charging Infrastructure Design Problem. *Energies* **2021**, 14, 3214. <https://doi.org/10.3390/en14113214>
- Kiciński, M. Periodic Timetable Nonlinear Optimization in Public Transport Network. In book: Sierpiński, G.; Macioszek, E. *Decision Support Methods in Modern Transportation Systems and Networks*,. 2021, Springer International Publishing, 59-68, https://doi.org/10.1007/978-3-030-71771-1_4
- Kiciński, m.; Solecka, K. Application of MCDA/MCDM methods for an integrated urban public transportation system – case study, city of Cracow. *AoT* **2018**, 46, 71–84. <http://doi.org/10.5604/01.3001.0012.2107>
- Sawicki, P.; Kiciński, M.; Fierek S. Selection of the most adequate trip-modelling tool for integrated transport planning system. *AoT* **2016**, 37, 55–66. <http://doi.org/10.5604/08669546.1203203>

4. Major Consulting Projects – About 30 Projects

- Optimization of the logistics/transportation system (M-Logistic Sp. z o.o. – Maspex GROUP, Tychy, Poland), 2019-2021
- Analysis of the transportation system – the communal sludge (Aquanet S.A. Poznań – Poland) 2020 and 2021
- District of Gniezno: The sustainable public transportation development plan, Gniezno (Poland), 2016.
- Public Transport Sustainable Development Plan for the voivodship Wielkopolska, Poznan, 2013-2015.

- Optimization and decision making in transport and logistics. PUT, Poznan, 2015.
- ROKBUS Sp. z o.o. : Research and evaluation of usage of bus fleet in public transport company, Poznan (Poland), 2013-2014.
- VW Commercial Vehicles: Multi-criteria analysis of transport system variants in the area of the vehicle factory Volkswagen Poznan, 2011-2013.
- EL-Centrum, Co., Distributor of the Electro-Technical Equipment, Poznan, Poland. Strategic Development Program. Analysis and evaluation of the development scenarios of the distribution system, 2000-2001.

Activities (researcher):

- Sustainability Transport and Logistics (ISSN 2520-2979) member of Editorial Board
- Education (ISSN 2227-7102) Topics Board Editors
- Auxiliary supervisor: 5 doctoral dissertations (public transport, logistics in air force bases, multi-criteria decision-making)
- 2009 – now: member of the Euro Working Group on Transportation

Others activities

- Polish Taekwondo Federation WTF / Polish Taekwondo Federation (Olympic taekwondo): taekwondo 3 dan, Vice President and Member of Board (2005-2010), Chairman of the controlling committee (2000-2005), National Referee class A (1999-2010) – over 50 national and international tournaments (Poland, Belgium, Netherlands, Germany, Austria, Croatia, Turkey), Regional Taekwondo Federation in Poznan (Olympic taekwondo) President/Member of Board/General Secretary (2001-2012), regional taekwondo referee (1997-2010), organizer Regional Taekwondo Federation in Poznan (Olympic taekwondo)

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