


PERSONAL INFORMATION


Takeru Shibayama



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[Publikationen \(TU Wien\)](#)  
[Publikationen \(ResearchGate\)](#)

Year of birth 1983 | Nationality Japan

WORK EXPERIENCE

09/2021 – Present  
 07/2011 – 08/2021

**Senior Scientist**  
**Project Assistant (Scientific Staff)**

Research Center of Transport Planning and Traffic Engineering,  
 Institute of Transportation, Faculty of Civil Engineering, TU Wien (Austria)

- Management of research projects
- Transport and mobility research, particularly in strategic mobility planning and public transport planning
- International research projects
- Supervision and advisory of graduation works and guest students
- Teaching
- Scientific advisor for international cooperation projects and municipalities
- Re-training of experts through lectures and workshops
- Organization and participation in international research exchanges
- IT manager of the research center

09/2018 – Present

**External Lecturer**

University of Applied Science FH Campus Wien (Austria)

- University lectures for students in the field of public transport and urban freight

2005 – 2007

**IT Engineer**

Altovision Inc., Tokyo (Japan) – now known as Experian Japan after acquisition

- System engineer using Linux, Apache, MySQL and PHP

2004 – 2007

**Teacher and Tutor**

TOMAS supplementary school, Kokubunji, Tokyo (Japan)

- teaching and tutoring English, mathematics, chemistry, physics, and geography for junior-high and high school students

EDUCATION AND TRAINING

04/2009 – 07/2011

**Full-time Doctoral Study in Technical Science**

Faculty of Civil Engineering, Vienna University of Technology, Austria, with Austrian-Japanese national scholarship granted (October 2009 – June 2011). Doctoral degree in 2021 with distinction.

- Transport planning, transport policy, transport governance
- Organisation of public transport

- 04/2007 – 03/2009 **Master Study of Civil Engineering**  
 Department of Civil Engineering, Faculty of Engineering, University of Tokyo, Japan

  - Particular focus on policy-making and planning
  - Award from the Department
- 10/2007 – 11/2008 **Joint Study Program Exchange**  
 Institute for Transport Planning and Traffic Engineering, Vienna University of Technology, Austria

  - Focus on sustainable transport planning
  - Exchange study through a bilateral agreement between Vienna University of Technology and the University of Tokyo, scholarship granted.
- 04/2005 – 03/2007 **Bachelor Study of Civil Engineering**  
 Department of Civil Engineering, School of Engineering, University of Tokyo, Japan

  - Particular focus on policy-making and planning
  - Award from the Department
- 04/2003 – 03/2005 **University Foundation Courses for Bachelor Students**  
 School of Arts and Sciences, University of Tokyo, Japan

  - Mandatory foundation courses for all bachelor students at the University of Tokyo
  - General subjects ranging from mathematics to philosophy

**PERSONAL SKILLS**

**Mother tongue(s)** Japanese

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	C2	C2	C2	C2	C2

- Digital skills**
- Network administration & Windows domain (AD)
  - Administration of Linux-based servers (mail, web) on Debian, CentOS
  - Programming languages: PHP, Python, Java, JavaScript incl. Ajax architectures (e.g. jQuery), Microsoft Visual Basic, C++, HTML/CSS
  - Relational Database & Data manipulation (SQL)
  - Specific software: SPSS & SPSS Syntax, QGIS, Vensim, Wordpress, drawing software (Adobe Illustrator, Corel Draw)
  - Extensive knowledge on office software (MS Office, Adobe Acrobat)
  - Operating system: MS-DOS, Windows, Mac OS, Diverse UNIX distributions
  - General knowledge on hardware assembly on PCs

## Honours and awards

- **Best Paper Award for Institutional Innovation** awarded for “MOLTS: Multinational Operators for Local Transport Services” by Takeru Shibayama and Hitoshi Ieda at 8th Eastern Asian Society of Transportation Studies Conference, 16.11.2009-19.11.2009, Surabaya, Indonesia. Best Paper Awards were presented to nine best papers out of approx. six hundred conference proceedings.
- **Furuichi Kimitake Prize:** Prize for **top 10 excellent master theses** of the year out of approx. 60 awarded by the Department of Civil Engineering, University of Tokyo. Awarded for master thesis “Why Do “MOLTS” Expand around the Globe? - MOLTS: Multinational Operators for Local Transport Services and “Industrial Complex””, Date of Award: 23 Mar 2009
- **Tanabe Sakuro Prize:** Prize for **top 10 excellent bachelor projects** of the year out of approx. 60 awarded by the Department of Civil Engineering, University of Tokyo. Awarded for bachelor project “Globalization of Local Public Transport Providers”, Date of Award: 23 Mar 2007
- **Nomination for entrance-exam exemption** for Master Study of Civil Engineering at the University of Tokyo: **top 15% bachelor student** nominated to this exemption.

## ADDITIONAL INFORMATION

## Research record - activities

- Works in more than 30 **national and international research projects**
- Author of more than 40 **scientific and engineering articles**
- Main **editor** of one book; co-author of one book.
- Research and expert training on **sustainable urban and national mobility planning**
- Research onto **travel behaviour survey and data collection methodology**
- Data manipulation
- **Organization and business model in public transport**
- **Historical research** onto urban public space using visual materials
- Diverse **lectures** for expert audiences focusing on urban mobility (in Japan, Austria, Belgium, Spain, Czech Republic, Slovakia, etc., c.a. 60 lectures in total)
- Organization of field trips for students

## Memberships

- **WCTRS: World Conference on Transport Research Society**, Membership since 2010, Co-chair of Special Interest Group 2 (National and Regional Transport Planning and Policy)
- **EASTS: Eastern Asian Society for Transportation Studies**, Membership (Japan) since 2009
- **JSCE: Japan Society of Civil Engineers**, Membership since 2008, Membership since 2008
- **Japan Society of Transport Economics**, Invited as a member since 2021
- **IATSS International Association of Traffic and Safety Sciences**, Associate Member (2021 – 2022): the framework of associate membership was terminated in March 2022.

## Other professional activities

- **Guest Researcher at IATSS International Association of Traffic and Safety Sciences:** 2013-2014 and 2020 - Present
- **Policy Advisor for the City of Ishinomaki (Japan):** 04/2021 - Present
- **Advisory Board Member for Research Institute of Regional Public Transport (Japan):** 09/2022 - Present
- **Research Fellow at Japan Transport and Tourism Research Institute:** 10/2022-present

## Publications - books and book chapters

- P. Jittrapirom, G. Emberger, T. Brezina, T. Shibayama: "Chiang Mai City Mobility and Transport Survey (CM-MTS) 2012"; in Series "Beiträge zu einer ökologisch und sozial verträglichen Verkehrsplanung 1/2013", Editor: H. Zuka; Institut for Transportation – Research Center for Transport Planning and Traffic Engineering, Vienna University of Technology, Vienna, 2013, ISBN: 978-3-9503375-1-8, 122 pages.
- T. Shibayama, Y. Hara, K. Tamura, M. Isobe (Eds) (as Kankyo-Sanshiro Project): "Eko Bū mu-o Tou - Toudaisei to Manabu Kankyogaku ("Aren't we in Eco-Boom? - Students at the University of Tokyo worked on the Environment Issues")"; Gakugei Publishing, Kyoto/Japan, 2005, ISBN: 978-4761523633; 255 pages.

## Publications – peer-reviewed journals

- B. Laa, **T. Shibayama**, T. Brezina, S. Schönfelder, D. Damjanovic, E. Szalai, M. Hammel: "A nationwide mobility service guarantee for Austria: possible design scenarios and implications"; *European Transport Research Review*, 14 (2022), 25; 11 S. DOI: 10.1186/s12544-022-00550-5
  - T. Brezina, B. Abramovic, D. Sipus, **T. Shibayama**: "Barriers to Transnational Passenger Rail Services in Croatia and Bosnia and Herzegovina - A Qualitative Perspective"; *Promet-Traffic & Transportation*, **Vol. 33** (2021), No. 5; S. 689 - 703.
  - M. Corazza, G. Emberger, V. Oszter, A. Pejdo, **T. Shibayama**: "Misure di contenimento del COVID-19 e politiche per il trasporto sostenibile: mutazioni attuali e direzioni future / COVID-19 containment measures and policies for sustainable transport: present changes and future directions"; *IF Ingegneria Ferroviaria*, **Anno LXXVI** (2021), n. 9; S. 669 - 697.
  - **T. Shibayama**, T. Fujita, K. Utsunomiya: "Changes in Car Ownership after 2011 Tohoku Earthquake and their Backgrounds"; *Journal of Japan Society of Civil Engineers, Series D3 (Infrastructure Planning and Management)*, Vol. 76. Issue 5, pp. I\_689-I\_698, doi:10.2208/jscejpm.76.5\_I\_689
  - **T. Shibayama**, F. Sandholzer, B. Laa, T. Brezina: "Impact of COVID-19 lockdown on commuting: a multi-country perspective"; *European Journal of Transport and Infrastructure Research*, Vol. 21 (2021), No. 1; 70 - 93.; doi:10.18757/ejtir.2021.21.1.5135
  - **T. Shibayama**: "Competence distribution and policy implementation efficiency towards sustainable urban transport: A comparative study"; *Research in Transportation Economics*, Vol. 83 (2020), Special Issue: Thredbo 16 conference; 1 - 20.; doi:10.1016/j.retrec.2020.100939
  - **T. Shibayama**, G. Emberger: "New mobility services: Taxonomy, innovation and the role of ICTs"; *Transport Policy*, Volume 98 (2020), 79 - 90.; doi:10.1016/j.tranpol.2020.05.024
  - **T. Shibayama**, G. Pungillo, H. Lemmerer, S. Nocera: "Stakeholder involvement in decision-making process: a test assessment towards transition to autonomous vehicles"; *Transportation Research Procedia*, Volume 48 (2020), 2550 - 2568.
  - C. Gruber, K. Raminger, **T. Shibayama**, M. Winder: "On the Vienna Corso: Changing street use and street design around the Vienna State Opera House 1860-1949"; *The Journal of Transport History*, Vol. 39 (2018), Issue 3; 292 - 315.; doi:10.1177/0022526618790443
  - U. Leth, **T. Shibayama**, T. Brezina: "Competition or Supplement? Tracing the Relationship of Public Transport and Bike-Sharing in Vienna"; *GI\_Forum - Journal for Geographic Information Science*, Volume 2 (2017), 15 pages.; doi:10.1553/giscience2017\_02\_s137
  - **T. Shibayama**: "Japan's transport planning at national level, natural disasters, and their interplays"; *European Transport Research Review*, Volume 9 (2017), 44; 1 - 18.; doi:10.1007/s12544-017-0255-7
  - **T. Shibayama**: "Organizational structures of urban public transport - a diagrammatic comparison with UML"; *Transportation Research Procedia*, Volume 25 (2017), 3674 - 3693.
  - **T. Shibayama**, U. Leth, G. Emberger: "Methodology for diagrammatic comparison of transport planning competences over national borders"; *Transportation Research Procedia*, Volume 25 (2017), 3656 - 3673.
  - **T. Shibayama**: "Organizational Structures of Urban Public Transport - A Diagrammatic Comparison and a Typology"; *Journal of the Eastern Asia Society for Transportation Studies (invited)*, Vol. 9 (2011), 126 - 141.
  - **T. Shibayama**, H. Ieda: "MOLTS: Multinational Operators for Local Transport Services"; *Asian Transport Studies*, Vol. 1 (2011), No. 3; 234 - 249.; doi:10.11175/eastsats.1.234
  - **T. Shibayama**, H. Ieda: "Background of Multinational Businesses for Local Public Transport Operations"; *Infrastructure Planning Review*, Vol. 26 (2009), 913 - 922.
  - **T. Shibayama**, H. Ieda: "'Global Operator' of Regional Public Transport Services"; *Transport and Economics*, Vol. 68 (2008), Issue 10; 58 - 66.
- [Full list available in the publication database of Vienna University of Technology](#)