

GEOG3420 Transport and Society
Department of Geography
The University of Hong Kong

Level 300 (for Year 2 to Year 4 students); Semester 2 (Complementary to GEOG3422 Contemporary Urban Transportation Issues)

From 2024-2025 onwards, this course is offered biennially. In biennial odd years (e.g. 2025-2026), the teacher offers GEOG3422 Contemporary Urban Transportation Issues. In biennial even years (e.g. 2026-2027), the teacher offers GEOG3420 Transport and Society. The two courses are complementary. Students interested in transportation are recommended to take both courses.

1. Objectives

This course aims to encourage students to think about the role of transport in society critically. It provides an overview of the theoretical approaches and empirical evidences on the inter-relationships between transport and society. Specific case studies are drawn from different parts of the world. Particular emphasis is placed on understanding the role of government in shaping the **transport-development relationship** and in promoting **transport sustainability**.

2. Lecture Overview

The lectures this year will be held on Wednesdays from 12:30pm to 2:20pm at CPD-3.29. A summary table is shown below:

No.	Topic	Date
Chinese New Year –No class (29 Jan - 4 Feb 2025)		
1	Transport and development	5 Feb 2025
2	Nature of infrastructure	12 Feb 2025
3	Let's build!	19 Feb 2025
4	Transport and the city I	26 Feb 2025
5	Transport and the city II	5 Mar 2025
Reading Week –No class (10 Mar – 15 Mar 2025) Voluntary field visit to KMB depot on 10 Mar 2025 (Monday) afternoon (details and itinerary will be announced later)		
6	Transport and the city III	19 Mar 2025
7	Rural transport problems I	26 Mar 2025
8	Rural transport problems II	2 Apr 2025
9	Transport and industrialization I	9 Apr 2025
10	Transport and industrialization II	16 Apr 2025
11	Regional transport and territorial integration	23 Apr 2025
12	Air transport: Global issues, regional challenges	30 Apr 2025

Students are highly encouraged to attend the activities of the Institute of Transport Studies to get know more about the leading edge of transport research. In particular, the Distinguished Transport Lectures are free for all to participate (<https://www.institute-of-transport-studies.hku.hk/dtls>).

3. Learning Outcomes

After completing this course, students would be able to:

- Demonstrate knowledge about different functions of transport

- Analyze the key role of transport in society
- Understand the importance of transport in sustainability
- Apply analytical skills in examining transport and sustainability problems
- Synthesize information and data from different sources in writing essays
- Understand common statistical tools used in analyzing transport and sustainability issues

4. Assessment

Examination 60%; Coursework 40% (one term essay)

4.1. Coursework

4.1.1 Term Essay

Write a term essay (3000-4000 words, excluding tables, figures and references) on one of the following topics:

- A) What is comprehensive sustainability? To what extent can the walking infrastructure contribute to sustainable urban transportation?
- B) How is the vicious rural transport problem cycle formed? Is there a way out? Discuss in relation to a region or country of your choice.

To ensure originality in thoughts and data analysis for the purpose of assessment of GEOG3420, students MUST write the term essays in relation to the materials covered in this course and include original data analysis.

Use the APA Style of referencing. A quick reference is available at <http://www.apastyle.org>.

Deadline for Submission: 18 Apr 2025 (Friday)

4.1.2 GenAI Usage Policy for Term Papers / Individual Assignments

The use of Generative Artificial Intelligence (GenAI) or any other AI-assisted tools is strictly prohibited for term papers and/or individual assignments in this course. Students are expected to complete these tasks independently, using their own knowledge, skills, and critical thinking abilities. Any student found using GenAI or similar AI-based tools to complete term papers or individual assignments will be considered in violation of this policy, which may result in disciplinary action, including but not limited to grade penalties, academic probation, or expulsion. It is the responsibility of each student to uphold academic integrity and demonstrate their own understanding and mastery of the course material in their submitted work.

This policy is in accordance with the university's guidelines on academic integrity and the use of AI tools in coursework. For further information on the university's policy, please refer to the [relevant website](#). By adhering to these guidelines, we aim to maintain a fair and honest academic environment for all students.

4.1.4 Plagiarism

The University is committed to upholding the highest standards of academic integrity, and has in place a [Policy on Student Plagiarism in Undergraduate and Taught Postgraduate Curricula](#). Relevant resources can be found on the [plagiarism website](#).

4.1.5 Turnitin Report

1. To compile with the coursework requirements, follow the two simple steps below:

Step 1: Submitting the soft copy of your paper to Turnitin

➤ Turnitin is a software programme which checks papers for any sign of plagiarism and AI usage. To submit your paper to Turnitin, please select “Coursework” under the Coursework Assignment section on Moodle.

Coursework Assignment

Coursework

(1) Choose the “My submission” tab
 (2) Input your essay title
 (3) Click “Choose File” to upload your essay
 (4) Check the box to indicate your consent
 (5) Click “Add submission” to submit your essay

Summary My Submissions

No submissions have been made
[\[Submitted to Turnitin? Click here to retrieve.\]](#)

Submission Type File Upload

Submission Title Topic 1: Discussion of the Swissness Bill

Submission Part Part 1

File to Submit Choose File No file chosen

☒ By checking this box, I confirm that this submission is my own work and I accept all responsibility for any copyright infringement that may occur as a result of this submission.

Add Submission

*NOTE: **You can upload your essay to Turnitin only once.** In other words, you must make sure that only the most updated version of your essay is submitted to Turnitin. To avoid confusion, the Turnitin link will only be available one week before the submission deadline.

- The course instructor and the course TA will check the originality report prior to marking. The Department views breaches of copyright, plagiarism and unauthorized use of AI in assignments very seriously. Plagiarized work or work generated by AI will receive a fail grade. There may also be disciplinary action against the student who violates academic integrity. Please also note that Turnitin reports now detect both plagiarism and the use of Generative AI.

Step 2: Submitting the hardcopy of your paper

- Your assignment, together with a hard copy of the first page of the Turnitin report with the similarity index, shall be dropped in the “**Assignment Collection Box**” in UG Office, 10/F, The Jockey Club Tower, Centennial Campus.
- You should **sign on the front page of your assignment and stamp the “Date of receipt” on your work before submitting it into the compartment.** The date chop is placed on top of the Collection Box.
- The opening hours of the UG Office are 9am-1pm and 2pm-5pm.
2. Late submissions will be penalized according to the Departmental policy. Read the tips and rules for undergraduate assignments at the [Departmental website](#).
 3. Collection of the marked assignments will also be from the UG Office. An announcement will be made via Moodle when the marked assignments are ready for students’ collection.

4.2 Grade Descriptors

In order to facilitate students to understand their performance in this course and to improve, some descriptions of the different grades are listed below.

Grade	Descriptions
A	Excellent foundation knowledge of the subject. Demonstrate evidence of original thought, logical thinking, and strong analytical skills. Excellent organizational and presentation skills.
B	A good foundation knowledge of the subject. Demonstrate evidence of critical and analytical thinking and skills. Good organizational and presentation skills. No serious flaws in the answer.
C	Reasonable foundation knowledge of the subject. Little evidence of critical thinking or insight, although the answer has some structure/coherence. Mostly descriptive in the work. Some flaws in the answer.
D	Limited foundation knowledge of the subject. Mainly descriptive with limited evidence of critical thinking and poor structure/coherence. Not well organized in presentation. A number of flaws in the answer.
Fail	No foundation knowledge of the subject. Major flaws in the answer. Poor organizational and presentation skills.

4.3 Examination

Examinations will be arranged following the University centrally-allocated timetable during the Assessment Period. The duration of the Examination of this course is two hours. The format may vary from year to year but it usually consists of short essays. **Past papers and Comments on Examinations Performance are accessible in Moodle.**

5. Course Readings

Knowles, R., Shaw, J., & Docherty, I. (Editors) (2008) *Transport Geographies: Mobilities, Flows and Spaces*. Malden: Blackwell.
Loo, B.P.Y., & Comtois, C. (Editors) (2015) *Sustainable Railway Futures: Issues and Challenges*. Surrey: Ashgate.

A list of suggested readings by lecture is provided below.

Lecture 1 Transport and Development

Guo, C., Loo, B.P.Y., Feng, K., Gao, H.O., & Zhang, K. (2024). Fifteen pathways between electric vehicles and public health: A transportation-health conceptual framework. *Environment & Health*, 2, 848-853.
Loo, B.P.Y. (2018) *Unsustainable Transport and Transition in China*. London and New York: Routledge, pp. 14-38.
Owen, W. (1964) *Strategy for Mobility: Transportation for the Developing Countries*. Honolulu: East-West Center Press, pp. 151-206.
Owen, W. (1987) *Transportation and World Development*. Baltimore: John Hopkins University Press, pp. 1-17.

- Simon, D. (1996) *Transport and Development in the Third World*. London and New York: Routledge, pp. 1-44.
- Taylor & Francis. (n.d.) Sustainable mobility in cities: How urban and interurban transport can meet economic, social, and environmental needs. Available at <https://insights.taylorandfrancis.com/sustainability/sustainable-transport-cities>
- United Nations. (n.d.) Sustainable Development Goals. Available at <https://sdgs.un.org/goals>

Lecture 2 Nature of Infrastructure

- Cooley, C.H. (1894) The theory of transportation. Reprinted in *Transportation Geography: Comments and Readings*, ed. M.E. Eliot Hurst, pp. 15-29. New York: McGraw-Hill, 1974.
- Hansen, N. (1965) The structure and determinants of local public investment expenditures. *The Review of Economics and Statistics* 46, 150-162.
- Hensher, D. A. (2007). Some insights into the key influences on trip-chaining activity and public transport use of seniors and the elderly. *International Journal of Sustainable Transportation* 1(1), 53-68.
- Hirschman, A.O. (1973). *The Strategy of Economic Development*. New Haven and London: Yale University Press, pp. 76-97.
- Li, L. & Loo, B.P.Y. (2016). Impact analysis of airport infrastructure within a sustainability framework: Case studies on Hong Kong International Airport. *International Journal of Sustainable Transportation* 10(9), 781-793.
- Loo, B.P.Y., & A.H.T. Cheng (2010). Are there useful yardsticks of population size and income level for building metro systems? Some worldwide evidence. *Cities* 27, 299-306.
- Nurkse, R. (1953). *Problems of Capital Formation in Underdeveloped Countries*. New York: Oxford University Press.
- Wilson, G., M. Klein, B. Bergmann, & L. Hirsch. (1966). *The Impact of Highway Investment on Development*. Washington, D.C.: Brookings Institution. Transport Research Program.
- World Bank. (1994) *World Development Report 1994: Infrastructure for Development*. Oxford: Oxford University Press for the World Bank.

Lecture 3 Let's Build!

- Fogel, R. W. (1979). Notes on the social saving controversy. *Journal of Economic History* 39(1), 1-54.
- Gibbons, S., T. Lyytikainen, H.G. Overman and R. Sanchis-Guarner (2019). New road infrastructure: The effects on firms. *Journal of Urban Economics* 110, 35-50.
- Hirschman, A.O. (1973). *The Strategy of Economic Development*. New Haven and London: Yale University Press, pp. 76-97.
- Loo, B.P.Y. (1999). Development of a regional transport infrastructure: Some lessons from the Zhujiang Delta, Guangdong, China. *Journal of Transport Geography* 7, 43-63.
- Loo, B.P.Y., & Chow, A.S.Y. (2011). The relevance of transport-development strategies to understanding travel behaviour and transport sustainability in Hong Kong. *Asian Geographer* 26, 67-82.
- Taaffe, E.J., Morrill, R.L. & Gould, P.R. (1963). Transport expansion in underdeveloped countries: A comparative analysis. *Geographical Review* 53, 503-529.

Lecture 4 Transport and the City I

- Cervero, R. (2015). Transit-oriented development and the urban fabric. In: *Sustainable Railway Futures: Issues and Challenges*, ed. B.P.Y. Loo & C. Comtois, pp. 75-94. Surrey: Ashgate.

- Docherty, I., Giuliano, G., & Houston, D. (2008). Connected cities. In: *Transport Geographies: Mobilities, Flows and Spaces*, ed. R. Knowles, J. Shaw & I. Docherty, pp. 83-101. Malden: Blackwell.
- Ewing, R. (1997). Is Los Angeles-style sprawl desirable? *Journal of the American Planning Association* 63(1), 107-126.
- Hilling, D. (1996). *Transport and the Developing Countries*. London and New York: Routledge, pp. 197-237.
- Loo, B.P.Y., & Chow, A.S.Y. (2008). Changing urban form in Hong Kong: What are the challenges of sustainable transportation? *International Journal of Sustainable Transportation* 3(3), 177-193.
- Loo, B.P.Y., & Chow, A.S.Y. (2011). Jobs-housing balance in an era of population decentralization: An analytical framework. *Journal of Transport Geography* 19, 552-562.
- Taafe, E.J., Gauthier, H.L., & O'Kelly, M.E. (1996). *Geography of Transportation*, second edition. Upper Saddle River: Prentice Hall, pp. 166-192.

Lecture 5 Transport and the City II

- Buchanan, M. (2004). More or less traffic in towns? *Transport: Proceedings of the Institution of Civil Engineers* 157, Issue TRI: 27-41.
- Huang, Z., & Loo, B. P.Y. (2023). Urban traffic congestion in twelve large metropolitan cities: A thematic analysis of local news contents, 2009–2018. *International Journal of Sustainable Transportation* 17(6), 592-614.
- Loo, B.P.Y. (2020). Transport, Urban. In: *International Encyclopedia of Human Geography*, ed. Kobayashi A., pp. 457-462. Oxford: Elsevier.
- Loo, B.P.Y., & Chow, A.S.Y. (2011). Jobs-housing balance in an era of population decentralization: An analytical framework. *Journal of Transport Geography* 19, 552-562.
- Reconnecting America. (2011). 2010 *Inventory of TOD Programs*. Washington, D.C.: Reconnecting America.
- ScienceFeatured.com (2025) Traffic crashes are stealing your time and money: Here's how, February, 2025 at <https://sciencefeatured.com/2025/02/28/traffic-crashes-are-stealing-your-time-and-money-heres-how/>
- U.S. Department of Transportation (US DoT). (2020). 2019 urban congestion trends. Available at <https://ops.fhwa.dot.gov/publications/fhwahop20012/fhwahop20012.pdf>.
- Victoria Transport Policy Institute (VTPI). (2016). Transit-oriented development. *Online TDM Encyclopedia*. Available at <http://www.vtpi.org/tdm/tdm45.htm>.
- Zhang, F., Loo, B.P.Y., Lan, H., Chan, A., & Hsiao, J.H. (2024). Jobs-housing balance and travel patterns among different occupations as revealed by Hidden Markov mixture models: The case of Hong Kong. *Transportation*, 51, 1857-1877.

Lecture 6 Transport and the City III

- Banister, D. (2005). *Unsustainable Transport: City Transport in the New Century*. London and New York: Routledge, pp. 97-128.
- Cox, W. (2010). Washington's War on Cars and the Suburbs: Secretary LaHood's False Claims on Roads and Transit. Available at http://thf_media.s3.amazonaws.com/2010/pdf/SR0079.pdf.
- Environment Bureau, HKSAR Government. (2021). Hong Kong Roadmap on Popularisation of Electric Vehicles. Available at https://www.evhomecharging.gov.hk/downloads/ev_booklet_en.pdf

- European Environment Agency. (2013). Air Pollution: Air Pollution Harms Human Health and the Environment. Available at <http://www.eea.europa.eu/downloads/2860feb119f29da21442fed230606c16/1464921158/intro.pdf>.
- Li, L., & Loo, B. P.Y. (2016). Towards people-centered integrated transport: A case study of Shanghai Hongqiao Comprehensive Transport Hub. *Cities* 58, 50-58.
- Litman, T. (2011). The First Casualty of a Non-existent War. Available at <http://www.vtpi.org/carwars.pdf>.
- Loo, B.P.Y. (2008). Editorial. *International Journal of Sustainable Transportation* 2(3), 135-137.
- Loo, B.P.Y. (2018). *Unsustainable Transport and Transition in China*. London and New York: Routledge.
- Loo, B.P.Y., Lam, W.W.Y., Mehandran, R., & Katagiri, K. (2017). How is the neighbourhood environment related to the health of seniors in Hong Kong, Singapore and Tokyo? Some insights for promoting ageing-in-place. *Annals of the American Association of Geographers* 107(4), 812-828.
- Vitoria Transport Policy Institute (VTPI). (2016). Smart growth. *TDM Encyclopedia*. Available at <http://www.vtpi.org/tdm/tdm38.htm>.
- Wang, B., Loo, B. P.Y., & Li, L. (2020). Situating high-speed railway stations within local urban contexts: Passenger satisfaction with intermodal integration at the Hong Kong HSR Station. *Built Environment* 46(3), 362-378.
- World Commission on Environment and Development. (1987). *Our Common Future*. Oxford: Oxford University Press.

Lecture 7 Rural Transport Problems I

- Dorosh, P., Wang, H.G., You, L., & Schmidt, E. (2010). Crop production and road connectivity in Sub-Saharan Africa: A spatial analysis. *World Bank Policy Research Working Paper* 5385.
- Filani, M.O. (1993). Transport and rural development in Nigeria. *Journal of Transport Geography* 1(4), 248-254.
- Getis, A., & Getis, J. (1966). Christaller's central place theory. *Journal of Geography* 65(5), 220-226.
- Hoare, A.G. (1975). Some aspects of the rural transport problem. *Journal of Transport Economics and Policy* 9, 141-43.
- Loo, B.P.Y., Cheung, W.S., & Yao, S. (2011). The rural-urban divide in road safety: The case of China. *The Open Transportation Journal* 5, 9-20.
- Loo, B.P.Y., & Siiba, A. (2019). Active transport in Africa and beyond: Towards a strategic framework. *Transport Reviews*, 39(2), 181-203.
- Njenga, P., & Davis, A. (2003). Drawing the road map to rural poverty reduction. *Transport Reviews* 23(2), 217-241.
- Ostrom, E., Schroeder, L., & Wynne, S. (1993). *Institutional Incentives and Sustainable Development: Infrastructure Policies in Perspective*. Boulder: Westview Press.
- Pirie, G.H. (1993). Transport, food insecurity and food aid in Sub-Saharan Africa. *Journal of Transport Geography* 1(1), 12-19.

Lecture 8 Rural Transport Problems II

- Gray, D., Farrington, J., & Kagermeier, A. (2008). Geographies of rural transport. In: *Transport Geographies: Mobilities, Flows and Spaces*, ed. R. Knowles, J. Shaw & I. Docherty, pp. 102-119. Malden: Blackwell.
- Hine, J. (2008). Transport and social justice. In: *Transport Geographies: Mobilities, Flows and Spaces*, ed. R. Knowles, J. Shaw & I. Docherty, pp. 49-61. Malden: Blackwell.

- Moseley, M. (1979). Rural mobility and accessibility. In *Rural Deprivation and Planning*, ed. J.M. Shaw, pp. 137-146. Norwich: Geo Abstracts.
- Nutley, S. (1992). Rural areas: The accessibility problem. In *Modern Transport Geography*, ed. B.S. Hoyle & R.D. Knowles, pp. 125-154. London and New York: Belhaven.
- Wang, H., Li, J., Wang, P., Teng, J. & Loo, B.P.Y. (2023). Adaptability analysis methods of demand responsive transit: a review and future directions. *Transport Reviews* 43(4), 676-697.

Lecture 9 Transport and Industrialization I

- Bradford, M.G., & Kent, W.A. (1977). *Human Geography: Theories and Applications*. Oxford: Oxford University Press, pp. 106-113.
- Ducruet, C., & Lee, S. W. (2006). Frontline soldiers of globalisation: Port–city evolution and regional competition. *GeoJournal* 67(2), 107-122.
- Hilling, D., & Browne, M. (1992). Bulk freight transport. In: *Modern Transport Geography*, ed. B.S. Hoyle & R.D. Knowles, pp. 179-198. London and New York: Belhaven.
- Hoyle, B.S. (1981). Cityport industrialization and regional development in less-developed countries: the Tropical African experience. In: *Cityport Industrialization and Regional Development: Spatial Analysis and Planning Strategies*, ed. B.S. Hoyle & P.A. Pinder, pp. 281-303. Oxford: Pergamon.
- Loo, B.P.Y., & Hook, B. (2002). Interplay of international, national and local factors in shaping container port development: A case study of Hong Kong. *Transport Reviews*, 22(2), 219-245.
- Taaffe, E.J., Gauthier, H.L., & O’Kelly, M.E. (1996). *Geography of Transportation*, second edition. Upper Saddle River: Prentice Hall, pp. 44-72.

Lecture 10 Transport and Industrialization II

- European Commission. (2011). *Handbook on Regulation Concerning a European Rail Network for Competitive Freight* (Regulation EC 913/2010).
- Loo, B.P.Y., & Liu, K. (2005). A geographical analysis of potential railway load centers in China. *Professional Geographer* 57(4), 558-579.
- Notteboom, T., & Rodrigue, J.P. (2009). The future of containerization: perspectives from maritime and inland freight distribution. *GeoJournal* 74(1), 7-22.
- Rodrigue, J.-P. & Browne, M. (2008). International maritime freight movements. In: *Transport Geographies: Mobilities, Flows and Spaces*, ed. R. Knowles, J. Shaw & I. Docherty, pp. 156-178. Malden: Blackwell.
- Slack, B. (1990). Intermodal transportation in North America and the development of inland load centers. *Professional Geographer* 42(1), 72-83.
- Slack, B. (2015). Intermodal transportation. In: *Sustainable Railway Futures: Issues and Challenges*, ed. B.P.Y. Loo & C. Comtois, pp. 219-234. Surrey: Ashgate.

Lecture 11 Regional Transport and Territorial Integration

- Charlton, C., & Vowles, T. (2008). Inter-urban and regional transport. In: *Transport Geographies: Mobilities, Flows and Spaces*, ed. R. Knowles, J. Shaw & I. Docherty, pp. 120-136. Malden: Blackwell.
- Cheng, Y-S, Loo, B.P.Y., & Vickerman, R. (2015). High-speed rail networks, economic integration and regional specialisation in China and Europe. *Travel Behaviour and Society* 2, 1-14.
- European Union. (2010). *High-speed Europe: A Sustainable Link between Citizens*. Luxemburg: European Union. Available at <http://bookshop.europa.eu/is->

- bin/INTERSHOP.enfinity/WFS/EU-Bookshop-Site/en_GB/-/EUR/ViewPublication-Start?PublicationKey=KO3109174.
- Li, L., & Loo, B.P.Y. (2017). Railway development and air patronage in China, 1993-2012: Implications for low-carbon transport. *Journal of Regional Science* 57(3), 507-522.
- Loo, B.P.Y. (1999). Development of a regional transport infrastructure: Some lessons from the Zhujiang Delta, Guangdong, China. *Journal of Transport Geography* 7, 43-63.
- Ren, X., Wang, F., Wang, C., Du, Z., Chen, Z., Wang, J., & Dan, T. (2019). Impact of high-speed rail on intercity travel behavior change. *Journal of Transport and Land Use* 12(1), 265-285.
- Schmidt, M., & Giorgi, L. (2010). Successes, failures and prospects for the Common Transport Policy. *Innovation: The European Journal of Social Science Research* 14(4), 293-313.
- Vickerman, R. (2015). Railways and borders: The international dimension. In: *Sustainable Railway Futures: Issues and Challenges*, ed. B.P.Y. Loo & C. Comtois, pp. 57-74. Surrey: Ashgate.
- Wang, Bo, Loo, B.P.Y., & Lu, L. (2020). Situating high-speed railway stations within local urban contexts: Passenger satisfaction with intermodal integration at the Hong Kong HSR station. *Built Environment* 46(3), 362-378.

Lecture 12 Air Transport: Global Issues, Regional Challenges

- Abate, M., Christidis, P., & Purwanto, A.J. (2020). Government support to airlines in the aftermath of the COVID-19 pandemic. *Journal of Air Transport Management*, 89, 101931–101931.
- Button, K., & Pels, E. (2010). International air transport: The impact of globalization on activity levels. In *Globalisation, Transport and the Environment*, OECD, pp. 81-120.
- Givoni, M. (2015). Airline and railway (dis)integration. In: *Sustainable Railway Futures: Issues and Challenges*, ed. B.P.Y. Loo & C. Comtois, pp. 95-108. Surrey: Ashgate.
- Graham, B., & Goetz, A.R. (2008). Global air transport. In: *Transport Geographies: Mobilities, Flows and Spaces*, ed. R. Knowles, J. Shaw & I. Docherty, pp. 137-155. Malden: Blackwell.
- Li, L., & Loo, B.P.Y. (2016). Impact analysis of airport infrastructure within a sustainability framework: Case studies on the Hong Kong International Airport. *International Journal of Sustainable Transportation* 10(9), 781-793
- Loo, B.P.Y. (2008). Passengers' airport choice within multi-airport regions (MARs): Some insights from a stated preference survey at Hong Kong International Airport. *Journal of Transport Geography* 16, 117-125.
- Loo, B.P.Y. (2009). Challenges of airports in multi-airport regions (MARs). In: *Airports: Performance, Risks, and Problems*, ed. P.B. Larauge & M.E. Castille, pp. 189-197. New York: Nova Science.
- Loo, B.P.Y., Li, L., Psaraki, V., & Pagoni, I. (2014). CO2 emissions associated with hubbing activities in air transport: An international comparison. *Journal of Transport Geography* 34, 185-193.
- OECD. (2020). COVID-19 and the aviation industry: Impact and policy responses. Available at <https://www.oecd.org/coronavirus/policy-responses/covid-19-and-the-aviation-industry-impact-and-policy-responses-26d521c1/>
- OECD. (2010). Globalisation, transport and the environment. Available at <https://www.oecd.org/env/greening-transport/globalisationtransportandtheenvironment2010.htm>
- Pels, E. (2021). Optimality of the hub-spoke system: A review of the literature, and directions for future research. *Transport Policy* 104, A1-A10.

6. *Contacts*

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