

Hugo E. Silva

September, 2020

CONTACT INFORMATION

Department of Economics
Department of Transport Engineering and Logistics
Pontificia Universidad Católica de Chile
Avda. Vicuña Mackenna 4860, Macul, Santiago, Chile

Phone: +56223544331
E-mail: husilva@uc.cl
hugosilvam@gmail.com
Web: <https://sites.google.com/site/hugosilvam/>

ACADEMIC APPOINTMENTS

- 2015–present Assistant Professor, Pontificia Universidad Católica de Chile.
- 2015–present Researcher, Centre for Sustainable Urban Development (CEDEUS).
- 2015–present Researcher, Bus Rapid Transit (BRT+ CoE) Centre of Excellence for Bus Rapid Transit Studies
- 2015–present Invited Researcher, Complex Engineering Systems Institute (ISCI).

EDUCATION

- Ph.D. in Economics. VU University Amsterdam. 2015.
- M.Sc. in Transportation Engineering. Universidad de Chile, 2010.
- Professional degree in Transport Engineering. Universidad de Chile, 2010.

RESEARCH INTERESTS

Transportation Economics, Urban Economics, Industrial Organization.

PUBLICATIONS

- The impact of fare-free public transport on travel behavior: evidence from a randomized controlled trial, **Regional Science and Urban Economics**, forthcoming (with Owen Bull and Juan Carlos Muñoz).
- The efficiency of bus rapid transit (BRT) systems: A dynamic congestion approach. **Transportation Research Part B: Methodological** **2019**, **127**, 47-71 (with Leonardo J. Basso and Fernando Feres).
- Equilibrium in the bottleneck model with atomic and non-atomic users **Transportation Research Part B: Methodological**, **2019**, **124**, 82-107. (with Robin Lindsey and André de Palma)
- Dynamic equilibrium at a congestible facility under market power. **Transportation Research Part B: Methodological**, **2017**, **105**, 174-192. (with Erik T. Verhoef)
- On the Existence and Uniqueness of Equilibrium in the Bottleneck Model with Atomic Users. **Transportation Science**, **2017**, **51**(3), 863-881. (with Robin Lindsey, André de Palma and Vincent A.C. van den Berg)
- Efficiency and Substitutability of Transit Subsidies and Other Urban Transport Policies, **American Economic Journal: Economic Policy**, **2014**, **6**(4), 1–33. (with Leonardo J. Basso)
- Airlines' route structure competition and network policy, **Transportation Research Part B**, **2014**, **67**, 320–343. (with Erik T. Verhoef and Vincent A.C. van den Berg)
- Airlines' strategic interactions and airport pricing in a dynamic bottleneck model of congestion, **Journal of Urban Economics**, **2014** **80**, 13–27. (with Erik T. Verhoef and Vincent A.C. van den Berg)

Optimal pricing of flights and passengers at congested airports and the efficiency of atomistic charges, **Journal of Public Economics**, 2013, 106, 1–13. (with Erik T. Verhoef)

RESEARCH PAPERS:

Input third-degree price discrimination by congestible facilities. *Submitted*.

Public transport and urban structure (with Leonardo J. Basso and Matías Navarro). *Submitted*.

Welfare analysis of cities: utilitarian second-best and the optimal Rawlsian town (with Leonardo J. Basso and Raúl Pezoa)

The impact of commuter market access on a city's structural density (with Kenzo Asahi and Andrea Herrera).

Public transport policies after Covid-19 confinement (with Leonardo Basso and Felipe Sepúlveda). *Submitted*.

WORK IN PROGRESS:

Slot auctions and trade at congested airports (with Leonardo J. Basso).

Urban road congestion management: capacity investments and pricing policies (with Leonardo J. Basso and Ignacio Riquelme).

The efficiency and distributional impacts of temporary driving restrictions (with Francisco Gallego and Antonia Paredes).

Rural transport in Chile: An empirical study on the efficiency in public biddings (with Marco Batarce and Vicente Viel).

Spatial design of public transport (with Nicolás Esperguiel and Leonardo Basso)

RESEARCH GRANTS

2020–2024 Principal Investigator, Research Project “Optimal Departure from Marginal Cost Pricing of Transport Externalities”.
Research grant 1200801, FONDECYT Regular, Chile.

2016–2019 Principal Investigator, Research Project “Regulation of airports: permits and taxes in the presence of market power and negative externalities”.
Research grant 11160294, FONDECYT Iniciación, Chile.

AWARDS AND OTHER GRANTS

2017 Professor Piet Rietveld Award. Best doctoral dissertation in the area of transport research given by the Benelux Interuniversity Association of Transport Researchers (BIVÉC-GIBET).

2014 Best paper by a Ph.D. student in the Symposium of the European Association for Research in Transportation. Paper: “Input third-degree price discrimination by congestible facilities”.

Ph.D Scholarship “Becas-Chile”. Awarded free tuition.

2012 European Aviation Economics and Management Prize for best paper in the annual GARS workshop. Paper “Airlines’ strategic interactions and airport pricing in a dynamic bottleneck model of congestion” (with Erik Verhoef and Vincent van den Berg).

Second Prize, Best paper in Kuhmo Nectar Conference on Transportation Economics. Paper “Airlines’ strategic interactions and airport pricing in a dynamic bottleneck model of congestion” (with Erik Verhoef and Vincent van den Berg).

2011 Prize *Colegio de Ingenieros de Chile* (College of Engineers of Chile) to the best new Civil Engineer from Universidad de Chile.

Second Prize, Best paper in Kuhmo Nectar Conference on Transportation Economics. Paper “Efficiency and Complementarity of Transit Subsidies and Other Urban Transport Policies” (with Leonardo Basso).

TEACHING EXPERIENCE

2016–present Lecturer: Microeconomics II, Transport Economics and The Industrial Organization of Transport Markets, Pontificia Universidad Católica de Chile.

2012–2015 Lecturer: Transport Economics, VU University.

2010 TA: Competition and Regulation in Transport Markets, Universidad de Chile.

2009 TA: Transport Demand, Universidad de Chile.

2008-2009 TA: Transport Systems Analysis, Universidad de Chile.

INVITED SEMINARS AND CONFERENCES (SELECTED)

2019 14th Meeting of the Urban Economics Association (Philadelphia)

2018 Annual Conference of the International Transportation Economics Association (Hong-Kong); XX Pan-American Conference of Traffic and Transportation Engineering (Medellín, Colombia); Centre for Transport Studies, Department of Civil Engineering, Imperial College London, 2018

2017 Annual Conference of the International Transportation Economics Association (IEB, Barcelona); PUJ/Banrep Workshop on Urban and Regional Economics (Bogotá); 13th International Conference of the Western Economic Association International (Pontificia Universidad Católica de Chile); Encuentro Anual SECHI (Universidad de Talca, Chile); XVIII Congreso Chileno de Ingeniería en Transporte (La Serena); Departamento Economía, FEN, Universidad Alberto Hurtado

2016 Annual Conference of the International Transportation Economics Association (Faculty of Physical and Mathematical Sciences, Universidad de Chile); Departamento Economía, FEN, Universidad de Chile

2015 Annual Conference of the International Transportation Economics Association (The Institute of Transport Economics, Oslo), XVII Congreso Chileno de Ingeniería en Transporte (Universidad del Bío-Bío, Concepción).

2014 German Aviation Research Society workshop (Amsterdam), Symposium of the European Association for Research in Transportation (ITS Leeds).

2013 Annual Conference of the International Transportation Economics Association (Northwestern University), 17th Air Transport Research Society World conference (University of Bergamo), XII NECTAR International Conference (University of Azores), XVI Congreso Chileno de Ingeniería en Transporte (Universidad de Chile).

2012 XVII Pan-American Conference of Traffic and Transportation Engineering (Universidad de los Andes, Chile), Annual Conference of the International Transportation Economics Association (DIW Berlin), Annual German Aviation Research Society workshop (University of Applied Sciences, Bremen).

- 2011 Annual Conference of the International Transportation Economics Association (CTS, Stockholm).
- 2010 Encuentro Anual de la Sociedad de Economía de Chile (Universidad de Talca).

REFEREEING

Refereeing *American Economic Journal: Economic Policy, Journal of Urban Economics, Economic Inquiry, International Journal of Industrial Organization, Regional Science and Urban Economics, Transportation Science, Transportation Research Part A, Transportation Research Part B, Transportation Research Part E, Economics of Transportation, FONDECYT.*