

Hugo E. Silva

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CONTACT INFORMATION

Department of Economics
Department of Transport Engineering and Logistics
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ACADEMIC AND PROFESSIONAL ACTIVITIES

- 2015–present Assistant Professor, Pontificia Universidad Católica de Chile.
- 2015–present Researcher, Centre for Sustainable Urban Development (CEDEUS).
- 2015–present Invited Researcher, Complex Engineering Systems Institute (ISCI).

EDUCATION

Ph.D. in Economics. VU University Amsterdam and Tinbergen Institute. 2015.

M.Sc. in Transportation Engineering. Universidad de Chile, 2010.

Professional degree in Transport Engineering. Universidad de Chile, 2010.

RESEARCH INTERESTS

Transportation Economics, Industrial Organization, Microeconomics.

PUBLICATIONS

Silva, H.E. and Lindsey, R., de Palma A. and van den Berg, V.A.C. On the Existence and Uniqueness of Equilibrium in the Bottleneck Model with Atomic Users. Forthcoming in **Transportation Science**

Basso, L.J. and Silva, H. E. (2014). Efficiency and Substitutability of Transit Subsidies and Other Urban Transport Policies, **American Economic Journal: Economic Policy** **6(4)**, 1–33.

Silva, H. E., Verhoef, E.T. and van den Berg, V.A.C. (2014). Airlines' route structure competition and network policy, **Transportation Research Part B** **67**, 320–343.

Silva, H. E., Verhoef, E.T. and van den Berg, V.A.C. (2014). Airlines' strategic interactions and airport pricing in a dynamic bottleneck model of congestion, **Journal of Urban Economics** **80**, 13–27.

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

RESEARCH PAPERS:

Input third-degree price discrimination by congestible facilities.

Dynamic equilibrium at a congestible facility under market power (with Erik T. Verhoef).

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

WORK IN PROGRESS:

Equilibrium in the bottleneck model with atomic and non-atomic users (with Robin Lindsey and André de Palma).

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

The effects of public transportation on urban form (with Leonardo J. Basso and Matías Navarro).

RESEARCH GRANTS

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.

2016–2019 Co-Investigator, Research Project “Efficiency and complementarity of transit subsidies, dedicated bus lanes, congestion pricing and other engineering and design measures”.

Research grant 1161032, FONDECYT Regular, Chile.

AWARDS AND OTHER GRANTS

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).

2010 Graduated with highest honors, Master in Transportation Science.

Graduated with highest honors, Professional Degree in Civil Engineering.

Scholarship for Master Studies. Awarded free tuition for academic excellence.

2007–2010 Prize *alumno destacado* to the best students of Civil Engineering (yearly).

TEACHING EXPERIENCE

2016– 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.

REFEREEING

Refereeing *Journal of Urban Economics, Economic Inquiry, Regional Science and Urban Economics, Transportation Science, Transportation Research Part A, Transportation Research Part B, Transportation Research Part E, Economics of Transportation.*

Reviewer FONDECYT Regular (2014, 2016). Research funding program from the National Commission for Scientific and Technological Research (CONICYT) of the Chilean government.

PRESENTATIONS (SELECTED)

2016 Annual Conference of the International Transportation Economics Association (Faculty of Physical and Mathematical Sciences, 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).