

BRIEF CURRICULUM VITAE FOR DR. ANGELO GUEVARA

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Born in Santiago, Chile, 21st of November 1972. Married, 3 children. Research and teaching in the area of Transportation: Modelling of choice behavior, micro-econometrics, value of time, pricing, public transport.

CURRENT ACADEMIC POSITIONS

- 2016 – pr. **Associate Professor**, Civil Engineering Department, Faculty of Physical and Mathematical Sciences, Universidad de Chile (UChile).
- 2015 – pr. **Associate Editor**, Revista Ingeniería de Transporte.
- 2015 – pr. **Member of the Editorial Advisory Board**, Journal of Choice Modelling
- 2014 – pr. **External Affiliate**, Choice Modelling Centre, University of Leeds (ULeeds), UK.
- 2011 – pr. **Research Affiliate**, Intelligent Transportation Systems (ITS) Lab, MIT, USA.

PREVIOUS POSITIONS, ACADEMIC AND NON-ACADEMIC

- 2013 – 2016 **Associate Professor**, Faculty of Engineering, Universidad de los Andes (UAndes), Chile.
- 2015 – 2016 **Visiting Research Fellow**, Institute for Transport Studies, U. of Leeds, UK.
- 2013 – 2016 **Director**, Master of Science in Transportation, UAndes.
- 2014 – 2015 **Director**, Transantiago's Observatory, UAndes.
- 2007 – 2013 **Research Professor**, UAndes.
- 2008 – 2010 **Research Assistant**, CEE Department, MIT, USA.
- 2005 – 2007 **Advisor**, Chilean Inter-ministerial Secretary of Transportation (SECTRA).
- 2003 – 2005 **Research Assistant**, CEE Department, MIT, USA.
- 2000 – 2003 **Advisor**, SECTRA
- 2000 – 2003 **Adjunct Professor**, Civil Engineering Department, UChile.
- 1999 – 2000 **Project Engineer**, CIS Transportation Consultants, Chile.
- 1997 – 1999 **Research Assistant**, Civil Engineering Department, UChile.

EDUCATION

- 2008 – 2010 **PhD**, “Endogeneity and Sampling of Alternatives in Spatial Choice Models”, MIT
- 2003 – 2005 **MSc**, “Addressing Endogeneity in Residential Location Models”, MIT
- 1997 – 1999 **MSc**, “Valor Subjetivo del Tiempo Individual Considerando las Relaciones entre Bienes y Tiempo Asociado a Actividades”, UChile.
- 1991 – 1997 **Civil Engineering**, UChile.

TEACHING ACTIVITIES

Lecturer since 2007 on Location Models (UChile), Demand Modeling (UAndes & MIT), Econometrics (UAndes), Transportation Economics (UAndes), Transportation Systems Analysis (UAndes), Optimization (UAndes), Research Methodologies (UAndes), Transport Economics and Project Evaluation (IST, PT), Transport Planning and Performance Assessment (IST, PT).

THESIS SUPERVISION (S) & COMMITTEES (C)

MSc (S) 1 at UAndes, Chile (First MSc program at UAndes in 2015. No PhD program at UAndes)
Eng. (S) 16 at UAndes and 1 at UChile
PhD (C) 1 at EPFL and 2 at Pontificia Universidad Católica de Chile (PUC)
MSc (C) 1 at MIT, 1 at UAndes, 1 at UChile and 6 at PUC
Eng. (C) over 50 at UAndes

RESEARCH PROJECTS

2015 - 2019 **FONDECYT** Regular (1150590) "Modeling Choice Behavior Under Complex Contexts". Ch\$ 99,036,000. **(PI)**
2011 - 2014 **FONDECYT** Initiation (11110131) "Addressing Modeling Drawbacks in Spatial Choice Models." Ch\$50,462,000. **(PI)**
2008 - 2009 **FAI** UAndes (FAI ICIV-001-08) "Optimal Assignment considering multimodality and cross-congestion" Ch\$7,000,000. **(PI)**
2012 - 2014 **CONICYT**, International Collaboration Networks, ISCI-ITS Lab MIT. PI: Francisco Martínez, UChile. **(Co-PI)**
2012 - 2014 **MISTI**, International collaboration Chile-MIT. PI: Moshe Ben-Akiva, MIT. **(Co-PI)**
2015 - 2018 **MINECO** (ECO2014-52587-R) "Incorporating latent attitudes for sustainable planning and management of landscapes". E\$ 14,000. PI: Petr Mariel, UPV, Spain. **(Int. Collab.)**

REVIEWING ACTIVITIES

For 12 journals, 7 international conferences and 1 Chilean research funding agency

CONFERENCE&WORKSHOP ORGANIZATION

Academic Committee Member ICMC (2017); Executive Secretariat XVII PANAM (2012); Chair MISTI Workshop (2013)

CONFERENCE REGULAR ATTENDANCE& PRESENTATION

9 national and international scientific conferences

RECENT INVITED SEMINARS

University of Stirling, UK (2016); University of Leeds, UK (2015, 2014); EPFL, CH (2015); DTU, DK (2015); UPV, ES (2014); CREATE, SG (2013).

WORK FOR INDUSTRY

Since 2007 I have provided specific expert advice to various companies and public institutions, including SECTRA, the Public Transport Directory of Santiago Metropolitan Region (DTPM) and Corporación América S.A.

AWARDS, PRIZES & FELLOWSHIPS

2015 Visiting Professorship, Leverhulme Trust, UK
2010 Eric Pas Dissertation Prize, Honorable Mention, IATBR
2009 Martin Family Fellowship for Sustainability
2003 Fulbright Fellowship

PUBLICATIONS

Book Chapters

1. Guevara, C. and M. Ben-Akiva (2010), “Addressing Endogeneity in Discrete Choice Models: Assessing Control-functions and Latent-variables Methods” in: **Choice Modelling: The State-of-the-art And The State-of-practice**, Daly and Hess eds, 353-370.

Web of Science Journals, Core Collection (ORCID ID 0000-0001-9307-804X)

1. Guevara, C.A. (2016) Mode-valued Differences of In-vehicle Travel Time Savings. **Transportation**. (in press)
2. Palma, D., de Dios Ortúzar, J., Rizzi, L. I., Guevara, C. A., Casaubon, G., & Ma, H. (2016). Modelling choice when price is a cue for quality a case study with Chinese wine consumers. **Journal of Choice Modelling**, 19, 24-39.
3. Guevara, C. A. and Polanco, D. (2016) Correcting For Endogeneity Due to Omitted Attributes in Discrete-Choice Models: The Multiple Indicator Solution (MIS). **Transportmetrica A: Transport Science** 12 (5), 458-478.
4. Guevara, C. A., Chorus, C. and Ben-Akiva, M. (2016) Sampling of Alternatives in Random Regret Minimization Models. **Transportation Science** 50 (1) 306-321.
5. Guevara, C. A. (2015) Critical Assessment of Five Methods to Correct for Endogeneity in Discrete-Choice Models. **Transportation Research Part A**, 82, 240–254.
6. van Cranenburgh, S. Guevara, C.A. and Chorus, C. (2015) New insights on random regret minimization models. **Transportation Research A**, 74, pp. 91–109.
7. Guevara, C. A., & Donoso, G. A. (2014). Tactical design of high-demand bus transfers. **Transport Policy**, 32, 16-24.
8. Guevara, C. A., & Ben-Akiva, M. E. (2013). Sampling of alternatives in Logit Mixture models. **Transportation Research B**, 58, 185-198.
9. Guevara, C.A. and Ben-Akiva (2013), “Sampling of Alternatives in Multivariate Extreme Value Models”. **Transportation Research B**. 48. 31-52.
10. Guevara, C.A. and M. Ben-Akiva (2012): “Change of Scale and Forecasting with the Control-Function Method in Logit Models”. **Transportation Science** 46 (3), 425-437.
11. Cherchi, E. and C. Guevara (2012a), “Maximum Simulated Likelihood and Expectation-Maximization Methods for the Estimation of Random Coefficients Logit with Panel Data.” **Transportation Research Record**. 2302, 65-73.
12. Cherchi, E. and C. Guevara (2012b) “A Monte Carlo Experiment to Analyze the Curse of Dimensionality in Estimating Random Coefficients Models with a Full Variance-covariance Matrix,” **Transportation Research B**, 46, 321–332.
13. Basso, L., Guevara, C., Gschwender, A. and M. Fuster (2011), “Congestion Pricing, Transit Subsidies and Dedicated Bus Lanes: Efficient and Practical Solutions to Congestion,” **Transport Policy**, 18(5), 676-684.
14. Guevara, C. E. Cherchi and M. Moreno (2009), “Estimating random coefficient logit models with full covariance matrix: comparing the performance of mixed logit and Laplace approximation methods,” **Transportation Research Record**, 2132, 87-94.
15. Guevara, C. A. and A. Thomas (2007), “Multiple Classification Analysis in Trip Production Models,” **Transport Policy**, 14/6, 514-522.
16. Guevara, C.A., and Ben-Akiva, M. (2006), “Addressing Endogeneity in Residential Location Choice Models,” **Transportation Research Record**, 1977, 60-66.
17. Jara-Diaz, A. and C.A. Guevara (2003), “Behind the Subjective Value of Travel Time Savings,” **Journal of Transport Economics and Policy**, 37, 29-46.