

FELIPE TARGA

1444 Rhode Island Ave. NW Apt# 413 · Washington, DC 20005 · Tel: (202) 213-2892 · felipet@iadb.org
1300 New York Ave. NW #SE1031 · Washington, DC 20577 · Tel: (202) 623-3031

Professional interests: Urban transportation planning; transportation policy; travel demand/behavior modeling; transportation and land use interactions; and regional-urban economics.

Education

- College Park, MD **Ph.D. Transportation Systems Engineering (candidate)**
Apr/05 *University of Maryland*
- Chapel Hill, NC **Master of City & Regional Planning**
May/03 Graduated with honors. Concentration: Transportation Planning
University of North Carolina
- Bogotá, Col. **B.S. Civil Engineering**
Sep/98 Ranked 3rd among graduates
Universidad de los Andes

Work Experience

- Washington, DC **Inter-American Development Bank (IADB)**
Sep/04 – Present **Junior Professional Program (JPP)**
Experience at the Finance and Basic Infrastructure Division 1 (RE1/FI1):
 - Prepare and design infrastructure operations in the transportation and energy sectors to be financed by the IADB in conjunction with national and sub-national governments, and with international consulting firms.
 - Team member in: AR-L1021 Norte Grande Electricity Transmission Program, AR-L1014 Norte Grande Road Infrastructure Program, BR-L1018 Brasilia Urban Transportation Program, BR-L1031 Florianópolis-Osorio Highway Modernization, BR-L1051 Santa Catarina Highway Project, UR-L1022 Montevideo's Perimetral Road Ring, UR-L1029 Road Sector SWAP, UR-L1025 Montevideo Urban Transportation Program, and in charge of UR-T1015 Support to the Preparation of the Montevideo Urban Transport Program.**Experience** at the Office of Evaluation and Oversight (OVE):
 - Participate in the Evaluation of the IDB's Projects in the Transportation Sector 1995-2004 (RE-), in the Evaluation of the Bank's Direct Private Sector Lending Program 1995-2003 (RE-303), and in the Evaluation of the Bank's Public Utilities Policy (OP-708) for Electric Power. Assist in ex-post impact evaluations of rural road projects.
- College Park, MD **University of Maryland**
Aug/03 – Aug/04 **Graduate Research Assistant**
Experience: Participate in the economic impact analysis of the Intercounty Connector project (in association with the Maryland State Highway Administration).
Develop and estimate a discrete choice model of ground transport access mode for airport travel in the Baltimore-Washington region.
- Chapel Hill, NC **University of North Carolina**
Aug/01 – Jul/03 **Graduate Research Assistant**
Experience: Model travel behavior and access to information technology for San Francisco Bay Area travelers (in association with the California PATH Program; University of California at Berkeley).
Evaluate the impacts of truck driver compensation on individual turnover and safety outcomes.
Analyze the effects of work zone attributes on injury severity for large truck-related crashes (in association with the Highway Safety Research Center, North Carolina).
Understand the influence of truck driver behaviors and vehicle factors on truck rollovers and occupant injuries.
- Research Triangle Park, NC **Triangle Transit Authority (TTA)**
Jun/02 – Aug/02 **Transportation Planning Intern**
Experience: Participate in the development of the Triangle Regional Transportation Model using TransCAD. Assist with calibration, validation and transit coding tasks, as well as forecasting demand for the Regional Rail project (advisory team included Parsons Brinckerhoff).
- Bogotá, Col. **National Planning Department (DNP)**
Nov/98 – Jul/01 **Urban Transportation Advisor (Office of Private Participation in Infrastructure)**
Experience: Oversee and administer feasibility and demand modeling studies for multiple cities. Advise on institutional arrangements and contract structuring for the tendering process of several major transportation projects nationwide.

Main Projects:

- **Bogotá's First Subway Line:** Member of the national government team administering the technical, legal and financial structuring process of the Subway project (Build-Design-Manage-Operate-Transfer). National government's team leader for the travel demand forecasting study of the Subway system. Develop a macroeconomic impact assessment of the Subway project on the national fiscal accounts (advisory team included Rothschild investment banking and Louis Berger International).
- **Cali's Bus Rapid Transit System:** National government's team leader and general coordinator of the technical committee overseeing the structuring process and travel demand forecasting study for the Bus Rapid Transit System (advisory team included Schroders-Salomon Smith Barney, Brown & Root Consultants, and Mercer Management Consulting).
- **Bogotá's Bus Rapid Transit System (TransMilenio):** Develop economic, financial and technical feasibility analyses for participation of the national government in the TransMilenio project –A world-class BRT system.
- **Bogotá's Commuter Rail:** Member of the national government team in the technical committee of the travel demand study (advisory team included Steer Davies and Gleave).
- **Other experience on transportation/infrastructure projects:** Advisor for travel demand forecast studies and technical/financial structuring process for the development of mass transit systems in the cities of Bucaramanga and Pereira. Technical assistance for telecommunication, (long distance), highway, and water supply projects.

Bogotá, Col.
Dec/96 – Mar/98

Center for Innovation and Technological Development (CITEC) Research Assistant

Experience: In charge of the soil dynamics testing laboratory.

Academic Experience

Bogotá, Col.
Summer/03

Visiting Professor

Universidad de los Andes

Economic Appraisal of Urban Transportation Projects (45 hr). Department of Civil and Environmental Engineering.

Bogotá, Col.
Spring/01

Adjunct Professor

Universidad de los Andes

Transportation Engineering (ICIV 340). Department of Civil and Environmental Engineering.

Chapel Hill, NC
Fall/01

Teaching Assistant (TA)

University of North Carolina

Quantitative Methods for Planners (PLAN 130). Department of City and Regional Planning.

Bogotá, Col.
Spring/98
Spring/97

Teaching Assistant (TA)

Universidad de los Andes

Urban Transportation Planning & Engineering (22340) and Geotechnics (22215). Department of Civil Engineering.

Publications

Refereed and Peer Reviewed Papers

- Targa, F., Clifton, K. J., Mahmassani, H. S. (2006) "Influence of Transportation Access on Individual Firm Location Decisions," *Transportation Research Record: Journal of the Transportation Research Board*, (in press) Transportation Research Board of the National Academies, Washington, D.C. [Download \(pdf\)](#)
- Targa, F., Clifton, K. J., Mahmassani, H. S. (2005) "Economic Activity and Transportation Access: An Econometric Analysis of Business Spatial Patterns," *Transportation Research Record: Journal of the Transportation Research Board*, No. 1932, pp. 61-71. Transportation Research Board of the National Academies, Washington, D.C. [Download \(pdf\)](#)
- Targa, F., Clifton, K. J. (2005) "Built Environment and Nonmotorized Travel: Evidence from Baltimore City Using the NHTS," *Journal of Transportation and Statistics*, Vol. 8, No. 3, pp. 55-70. Washington, D.C. [Download \(pdf\)](#)
- Targa, F., Clifton, K. J. (2004) "Integrating Social and Psychological Processes into the Land Use-Travel Behaviour Research Agenda: Theories, Concepts and Empirical Study Design," *Conference Proceedings, Seventh International Conference on Travel Survey Methods*. Los Suenos, Costa Rica, August 1-6, 2004. [Download \(pdf\)](#)
- Targa, F., Rodriguez, D. A. (2004) "Analysis of Bogotá's Bus Rapid Transit System and its Impact on Land Development," *Carolina Planning Journal*, Vol. 29, No. 1, pp. 26-36. Winter 2003-2004. [Download \(pdf\)](#)
- Targa, F., Khattak, A. J., Yim, Y.B. (2003) "Understanding Access and Acquisition of Dynamic Travel Information," *Conference Proceedings, IGERT 2003 Annual Conference*, University of California, Davis. [Download \(pdf\)](#)
- Targa, F., Sagari, S. (2006) "Reaching the Majority: How to Scale Up Poverty Reduction in Latin America by Improving Access to Basic Infrastructure Services," Resource paper for the conference *Building Opportunity for the Majority*, Inter-American Development Bank, June 11-13, Washington, D.C.
- Rodriguez, D. A., Targa, F. (2004) "Value of Accessibility to Bogotá's Bus Rapid Transit System," *Transport Reviews*, Vol. 24, Issue 5, pp. 587-610, September 2004. [Download \(pdf\)](#)
- Rodriguez, D. A., Targa, F., Belzer, M. H. (2006) "Pay Incentives and Truck Driver Safety: A Case Study," *Industrial & Labor Relations Review*,

Vol. 59, Number 2, pp. 205-225, January 2006. [Download \(pdf\)](#)

Rodriguez, D. A., Targa, F., Aytur, S. (2006) "Transportation implications of urban containment policies --A study of the largest 25 U.S. metropolitan areas," *Urban Studies*. (in press) [Download \(pdf\)](#)

Khattak, A. J., Targa, F. (2004) "Injury Severity and Total Harm in Truck-Involved Work Zone Crashes," *Transportation Research Record: Journal of the Transportation Research Board*, No. 1877, pp. 106-116, Transportation Research Board of the National Academies, Washington, D.C. [Download \(pdf\)](#)

Khattak, A. J., Schneider, R. J., Targa, F. (2003) "Risk factors in Large Truck Rollovers and Injury Severity: Analysis of Single-Vehicle Collisions," *CD-ROOM Conference Proceedings*, Transportation Research Board 82nd Annual Meeting, January 2003. Washington, D.C. [Download \(pdf\)](#)

Book Chapters

Khattak, A., F. Targa, and Y. Yim, (2004) "Advanced Traveler Information Systems: Relationships to Traveler Behavior," Chapter 12 in *Assessing the Benefits and Costs of Intelligent Transportation Systems*, Kluwer Academic Publishers, Edited by D. Gillen and D. Levinson, pp. 217-240. [Download \(pdf\)](#)

Reports

Khattak, A. J., Rodriguez, D. A., Targa, F., Rocha, M. "Understanding the Role of Truck-Driver, Occupational and High-Risk Roadway Factors in Truck-Involved Collisions." Center for Urban and Regional Studies, The University of North Carolina at Chapel Hill. Report prepared for the Southeastern Transportation Center. September, 2003. 89 pps. CURS Report No. 2003-04. [Download \(pdf\)](#)

Khattak, A. J., Targa, F., Yim, Y.B. Investigation of traveler information and related travel behavior in the San Francisco Bay Area. Partners for Advanced Transit and Highways, Berkeley, Calif./ California University, Berkeley, Institute of Transportation Studies. 2003. 37 p. California PATH working paper, UCB-ITS-PWP-2003-6. Report No.: 1055-1417/ UCB-ITS-PWP-2003-6. [Download \(pdf\)](#)

Mahmassani, H.S., Clifton, K.J., Targa, F., Mitchell, C, Burnier, C, Min, Y. Economic Impact Study of the Intercounty Connector. Maryland Transportation Initiative. Final Report. University of Maryland. March 2004. [Download executive summary \(pdf\)](#)

Honors & Awards

Washington, DC
Aug/04 **Dwight David Eisenhower Transportation Fellowship**
U.S. Department of Transportation (DOT) - Federal Highway Administration (FHWA)

Chapel Hill, NC
May/03 **Louise Venable Coker Award**
University of North Carolina
Recognizing an outstanding and best Masters Thesis. [Download Thesis \(pdf\)](#)

Chicago, IL
Jun/03 **First Place Award Student Paper Competition**
University of Illinois
Transport Chicago Annual Mobility Conference 2003.

Tokyo, Japan
Sep/00 – Dec/00 **JICA Technical Training Program Fellowship**
Urban Transportation Planning Division, City Bureau, Ministry of Construction
"Comprehensive Urban Transportation Planning and Project"

Service

- Member of Transportation Research Board Committee on Transportation and Land Development.
- Friend of Transportation Research Board Committee on Travel Behavior and Values.
- Advisor of undergraduate thesis project "Regulatory Analysis for Competitive Frameworks in Urban Public Transportation Systems; TransMilenio Case Study." Aya, C., Olarte, J. Universidad Javeriana, Bogotá, Col. 2000.

Consulting Work

- Formulate a national policy framework for economic appraisal of urban transportation projects in Colombia (in association with Universidad de los Andes and SER Research Institute) [Download full \(pdf\)](#) [Download ES \(pdf\)](#)

Skills

- TransCAD, Emme/2, Transus, HDM-VOG
- STATA, SPSS, LISREL, SAS, UCINET
- ArcGIS, ArcView, Access, C++
- Dreamweaver, Microsoft Office
- Spanish (Native language)
- English (Fluent)
- Portuguese (Intermediate-high)