

**Alvaro J. Riascos Villegas** studied pure mathematics at the Universidad de los Andes in Bogotá, Colombia. He holds an M.Sc and a Ph.D in applied mathematics from Institute of Pure and Applied Mathematics of Rio de Janeiro (IMPA) in Brazil. He has been a visiting professor at the University of California in Los Angeles, IMPA in Rio de Janeiro, California Institute of Technology; Kellogg School of Management in Northwestern University, Stanford Graduate School of Business, a Visiting Fellow at the International Monetary Fund in Washington D.C., Cowles Foundation for Economic Research at Yale University; a Research Associate at JP Morgan in New York, consultant for the World Bank, Inter-American Development Bank and for nine years a Senior Research Economist at the Central Bank of Colombia. His main academic interests have been the theory of general equilibrium, auction theory and game theory. He is the author of the text: *Mathematical and Computational Methods in Macroeconomics* (UNIANDES 2009). In 2005 he joined Faculty of Economics at the Universidad de los Andes where he is currently an associate professor. He is founder and director of Quantil ([www.quantil.com.co](http://www.quantil.com.co)), a company founded in 2008 dedicated to the application of mathematics to industry problems.

#### **Awards:**

- Fellowship: Central Bank of Colombia (1998-99)
- Fellowship: Government of Brazil (1993-1996)
- Prize: Best paper in monetary policy. Central Bank of Guatemala. Rodrigo Gomes Prize 2005.
- Prize: First Place National Physics Olympiads (1987)
- Prize: Tenth Place National Mathematics Olympiads (1987)

#### **Main Publications**

- Transition to Centralized Unit Commitment: An Econometric Analysis of Colombia's Experience. *The Energy Journal*, Vol. 37, No. 3
- de Castro, Luciano I. & Riascos, Alvaro, 2009. "Characterization of bidding behavior in multi-unit auctions," *Journal of Mathematical Economics*, Elsevier, vol. 45(9-10), pages 559-575, September.
- Carvajal Andres & Riascos Alvaro Jose, 2008. "Identification of Individual Demands from Market Data under Uncertainty," *The B.E. Journal of Theoretical Economics*, De Gruyter, vol. 8(1), pages 1-30, March.
- Andres Carvajal, John Geanakoplos & Alvaro J. Riascos Villegas, 2008. "On the Existence of Equilibrium with Incomplete Markets and Non-monotonic preferences" *Brazilian Review of Econometrics*, November, 28-2.
- Cole, Harold L. & Ohanian, Lee E. & Riascos, Alvaro & Schmitz, James Jr, 2005. "Latin America in the rearview mirror," *Journal of Monetary Economics*, Elsevier, vol. 52(1), pages 69-107, January.
- Carvajal Andrés & Riascos Alvaro, 2005. "Identification of Preferences from Market Data," *The B.E. Journal of Theoretical Economics*, De Gruyter, vol. 5(1), pages 1-17, April.

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