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**Department of Economics**  
**Universidad de Alcalá (UAH), Madrid, Spain.**  
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## **RESEARCH AND TEACHING INTERESTS**

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Machine Learning, Discrete Choice Models, Survey Methods, Smart mobility.

## **EDUCATION**

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**University of Maryland (UMD)**, PhD in Transportation Engineering, 2020.  
**Universidad Autónoma de Madrid**, PhD in Economics, 2020.  
**Universidad Autónoma de Madrid (UAM)**, MSc. in International Economics, 2010.  
**Universidad Autónoma de Madrid (UAM)**, BA in Economics, 2006.

## **PROFESSIONAL EXPERIENCE**

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**Visiting Professor**, Universidad de Alcalá, 2020 - present.  
**Adjunct Professor**, Universidad Autónoma de Madrid, 2017 - 2019  
**Traffic Modeler**, Transurban, 2017.  
**Managing Director**, Talentia, 2015 – 2015Uni  
**Assistant Professor**, Universidad Europea, 2012 - 2014  
**Business Analyst**, Accenture, 2007 -2009.

## **GRANTS AND AWARDS**

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**Dean's Fellowship**, Graduate School, University of Maryland, 2015  
**Merit Fellowship**, Graduate School, University of Maryland, 2015  
**Premio mejor idea de Empresa de Base Tecnológica**, Vicerrectorado de Investigación y Transferencia, Universidad de Alcalá, 2021

## **CONFERENCES, WORKSHOPS & SEMINARS**

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Bas, J., Cherchi, E., Cirillo, C., & Jensen, A. F. (2018). A dynamic approach to model the impact of imitation and experience. In *15th International Conference on Travel Behavior Research*.

Bas, J., Cherchi, E., Cirillo, C., & Jensen, A. F. (2018). A dynamic approach to model the impact of imitation and experience. In *OR 2018: International Conference on Operations Research*

Bas, J. (2017). The impact of non-linearities in income and taste heterogeneity on welfare measures; a real case study. In *Transport in a Networked Society, NECTAR XIV International Conference*.

## **PUBLICATIONS**

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Bas, J., Zou, Z., & Cirillo, C. (2021). An interpretable machine learning approach to understanding the impacts of attitudinal and ridesourcing factors on electric vehicle adoption. *Transportation Letters*, 1-12.

Bas, J., Cirillo, C., & Cherchi, E. (2021). Classification of potential electric vehicle purchasers: A machine learning approach. *Technological Forecasting and Social Change*, 168, 120759.

## **PROJECTS**

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Cirillo, C., & Bas, J. (2021). *Adoption and Diffusion of Electric Vehicles in Maryland* (No. 69A43551747123). Urban Mobility & Equity Center.

Chen, H., Rakha, H., Bas Vicente, J., Cirillo, C., & Zofio, J. (2020). Developing an ECO-Cooperative Adaptive Cruise Control System for Electric Vehicles.

Cirillo, C., & Vicente, J. B. (2019). Evaluating Equity Issues for Managed Lanes: Methods for Analysis and Empirical Results.

Vicente, J. B., & Cirillo, C. (2017). *Understanding Changes in Travel Behavior due to Managed Lanes* (No. NTC2015-SU-R-09).

“Evaluating the Effect of Complete Streets on Mode Choice, A Case Study in Baltimore-Washington Area,” <https://rip.trb.org/view/1715600>.

Trade, economic complexity and spatial analysis. Ministerio de Economía y Competitividad, Spain. October 2016 –June 2020, ECO2016-79650-P.