

# Mercedes Barrachina

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## EMPLOYMENT

Adjunct Lecturer, Dept. of Quantitative Methods, CUNEF Universidad, 2023 – to the present day

SAP Security Innovation Lead, IBM, June 2018 de 2018 – to the present day

Assistant Professor, Universidad de Comillas, September 2022 – to the present day

## EDUCATION

PhD in Economics, Universidad San Pablo CEU (2022)

PhD in Biomedical Engineering from the Universidad Politécnica de Madrid (2024).

Bachelor's Degree in Economics, UNED (2017).

Bachelor's and Master's Degree in Telecommunications Engineering, Universidad de Malaga (2011).

## FIELDS OF INTEREST

Application of machine learning techniques to biomedicine, analysis of the factors that influence entrepreneurship, effects of innovation on entrepreneurship.

## PUBLICATIONS

Barrachina-Fernández, Mercedes; Valenzuela-López, Laura; Moreno-Verdú, Marcos; Sánchez-Ávila, Carmen; Romero, Juan Pablo: "Skin Conductance assessment in Parkinson's disease: A systematic review", IEEE Sensors Journal, 2023.

Barrachina-Fernández, Mercedes; García Centeno, María del Carmen; Calderón Patier, Carmen: "Entrepreneurship in Spain and Portugal" in Strategic Entrepreneurial Ecosystems and Business Model Innovation, 75-91, Emerald Publishing Limited, 2022.

Barrachina-Fernández, Mercedes; Maitín, Ana María; Sánchez-Ávila, Carmen; Romero, Juan Pablo: "Wearable technology to detect motor fluctuations in Parkinson's disease patients: Current state and challenges", Sensors, 21(12), Art. 4188, 2021.

Barrachina Fernández, Mercedes; García-Centeno, Maria Del Carmen; Calderón Patier, Carmen: "International Entrepreneurship Rate Prediction Using Neural Networks", in "Empirical International Entrepreneurship: A Handbook of Methods, Approaches, and Applications", 441-462, Springer International Publishing, 2021.

Barrachina Fernández, Mercedes; García-Centeno, Maria Del Carmen; Calderón Patier, Carmen: "Analysis of the European women entrepreneurship in STEM fields", Women's Entrepreneurship in STEM Disciplines: Issues and Perspectives, 47-60, 2021.