

# Prof. Dr. Alejandra Tabares Pozos

- Date of birth: 30 of September, 1989.
- Family status: Female, single.

## 1 Academic Record

- **2006-2012:** B.S. in Industrial Engineering - Universidad Tecnológica de Pereira, Pereira-Colombia.
- **2013-2015:** M.S. in Electrical Engineering - Universidade Estadual Paulista, Ilha Solteira-Brazil.
- **2017-2018:** Doctoral Internship - University of Castilla la Mancha, Castilla la Mancha - Spain. (Supervisor: Prof. Dr. Javier Contreras)
- **2015-2019:** Ph.D in Electrical Engineering – Universidade Estadual Paulista. Ilha Solteira-Brazil.
- **2019-2021:** Postdoctoral researcher, Sao Paulo State University, Department of Electrical Engineering, Ilha Solteira-Brazil."
- **2021:** Visiting professor at the Pontifical Salesian University, Introduction to Microgrids and Renewable Energies course, Guayaquil-Ecuador.
- **2021-:** Assistant Professor at the University of the Andes, Department of Production Engineering, Bogota-Colombia.

## 2 Grants

- **2019-2021:** Postdoctoral research fellowship awarded by The São Paulo Research Foundation, FAPESP, Brazil."
- **2015-2019:** Doctoral research scholarship awarded by Coordination for the Improvement of Higher Education Personnel CAPES, Brazil.
- **2017-2018:** Doctoral internship awarded by Coordination for the Improvement of Higher Education Personnel CAPES, Brazil.
- **2017-2018:** International Instructor at Science Clubs Colombia, Pereira-Colombia. Funded by the Ministry of Science in Colombia.
- **2013-2015:** Master's scholarship awarded by CAPES, Brazil.

## 3 Awards

- **2012:** Outstanding undergraduate student recognized by the Universidad Tecnológica de Pereira.
- **2019:** Best paper award in the IEEE PES Innovative Smart Grid Technologies Conference-Latin America (ISGT Latin America)

## 4 Selected Publications

1. A. Tabares, J. F. Franco, M. Lavorato and M. J. Rider, 'Multistage long-term expansion planning of electrical distribution systems considering multiple alternatives', IEEE Transactions on Power Systems, vol. 31, no. 3, pp. 1900–1914, 2016.

2. N. Bañol Arias, A. Tabares, J. F. Franco, M. Lavorato and R. Romero, 'Robust joint expansion planning of electrical distribution systems and ev charging stations', IEEE Transactions on Sustainable Energy, vol. 9, no. 2, pp. 884-894, 2018.
3. A. Tabares, G. Munoz-Delgado, J. F. Franco, J. M. Arroyo and J. Contreras, 'An enhanced algebraic approach for the analytical reliability assessment of distribution systems', IEEE Transactions on Power Systems, pp. 1-1, 2019.
4. T. D. de Lima, A. Tabares, N. Bañol Arias and J. F. Franco, 'Investment generation costs vs co2 emissions in the distribution system expansion planning: A multi-objective stochastic programming approach', International Journal of Electrical Power Energy Systems, vol. 131, p. 106 925, 2021.
5. Zandrazavi, S.F., Guzman, C.P., Tabares, A., Quiros-Tortos, J. and Franco, J.F., 'Stochastic multi-objective optimal energy management of grid-connected unbalanced microgrids with renewable energy generation and plug-in electric vehicles', Energy, 241, p.122884, 2022.
6. A. Tabares, G. Munoz-Delgado, J.F. Franco, J. M. Arroyo, J. Contreras, 'Multistage reliability-Based Expansion Planning of AC Distribution Networks Using a Mixed-Integer Linear Programming Model', International Journal of Electrical Power Energy Systems, vol. 138, 2022.

## 5 List of current research funding from any agency or company

- Assistant Professor Support Fund - FAPA by the Universidad de los Andes.

## 6 Link to the ORCID and Google Scholar pages.

- ORCID
- Google Scholar