

Jesús María Pinar Pérez

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EMPLOYMENT

- 2025- : Head of the Quantitative Methods department at CUNEF Universidad
- 2022- : Associate Professor, Dept. of Quantitative Methods, CUNEF Universidad.
- 2012-2022: Assistant Professor, Dept. of Quantitative Methods CUNEF Universidad
- 2010 – 2012: Adjunct Professor, UCLM

EDUCATION

- International PhD in Mechatronics. Universidad de Castilla-La Mancha, 2013.
- MBA – Master's Degree in Business Strategy and Marketing of the Firm. Universidad de Castilla-La Mancha, 2011.
- Industrial Engineering (specialization in Industrial Management). Universidad de Castilla-La Mancha, 2009.

FIELDS OF INTEREST

Maintenance Management, Wind Energy, Location Science, AI, Computation.

PUBLICATIONS

- Pliego, A., Pinar-Pérez, J.M. and García Márquez, F.P. "A reinforcement learning agent for maintenance of deteriorating systems with increasingly imperfect repairs", *Reliability Engineering & System Safety*, 252, 110466, 2024.
- Pliego, A., García, F.P. and Pinar, J.M. "A techno-economic model for avoiding conflicts of interest between owners of offshore wind farms and maintenance suppliers", *Renewable & Sustainable Energy Reviews*, Vol. 168. 112753, 2022.

- Pinar-Pérez, J. M., Ruiz-Hernández, D., and Menezes, M. B. "Market proliferation and the impact of locational complexity on network restructuring", *Applied Mathematical Modelling*, 104 (2022): 315-338, 2022.
- Malik, H., Yadav, AM., García, FP. and Pinar, JM. "Novel app. of Relief Algorithm in cascaded artificial neural network to predict wind speed for wind power resource assessment in India", *Energy Strategy Reviews*, Vol 41, 100864, 2022.
- Ruiz-Hernandez, D., Pinar-Pérez, J.M. and Delgado, D. "Multi-machine preventative maintenance scheduling with imperfect interventions: a restless bandit approach", *Computers & Operational research*, Vol. 119, 104927, 2020.
- Pliego, A., García, F.P., Pinar, J.M. and Ruiz, D. "A survey of artificial neural network in wind energy systems", *Applied Energy*, 228, pp. 1822-1836, 2018.
- Pinar, JM., García, FP. and Ruiz, D. "Economic viability analysis for icing blades detection in wind turbines", *J. of Cleaner Production*, 135, pp.1150-1160, 2016.
- García Marquez, F.P., Pinar Pérez, J.M., Pliego, A. and Papaelias, M. "Identification of critical components of wind turbines using FTA over time", *Renewable Energy*, Vol. 87, pp. 869–883, 2016.
- Pinar, J.M., García, FP., Tobias, AM. and Papaelias, M. "Wind Turbine Reliability Analysis", *Renewable & Sustainable Energy Reviews*, 23, pp. 463-472, 2013.
- García, FP., Tobias, AM., Pinar, JM. and Papaelias, M. "Condition Monitoring of WTs: Techniques and Methods", *Renewable Energy*, 46, pp. 169-178, 2012.

WORKING PAPERS

- Unreliable Capacitated Location Problem: Analyzing the impact of capacity fluctuations on the design of a supply chain network. D. Ruiz, Serigne A. Gueye
- A multi-level districting and routing model for advertisement distribution services: The case of Elkarkide. with D. Ruiz and Amaya Erro-Garcés.
- A review of Machine Learning tools for Floating Wind Energy. with A. Pliego.

SELECTED ACADEMIC HONOURS AND GRANTS

- Research Fellowship with reference 2010-BIN-3366 awarded by the Vice-Rectorate for Research of the University of Castilla-La Mancha (UCLM).
- Nominated Prize of 17th ICMSEM 2023.
- Advancement prize for MSEM (Management Science and Engineering Management) ICMSEM 2020.
- 2018 Highly Cited Review Paper published in *Applied Energy*, October 2018.
- Best paper award in *Renewable Energy* [Q1] for contributing to this journal's 2014 impact factor.

SELECTED PRESENTATIONS - CONFERENCES

ICPET2025, ICMSEM 2024, ICCIDA 2024, OR66, ICMSEM2023, ICCIDA 2023, IFORS2023, ACEDEDOT OMTech 2023, ICIEIM-CIO22, ICMSEM 2022, SEIO2022.