

Daniel Fernández Martínez

NOVEMBER, 2021

GRADUATE STUDIES	<p>University of Extremadura, Badajoz, Spain <i>Master of Science</i>, Simulation in Science and Engineering <i>Nov' 21</i></p> <p>University of Extremadura, Badajoz, Spain <i>Bachelor of Science</i>, Industrial Electronics and Control Engineering, <i>Jul' 20</i> Erasmus programme: Bialystok University of Technology (Poland), SICUE National Exchange programme: University of Cantabria (Spain)</p>
RESEARCH INTERESTS	Machine Learning, Time Series Forecasting, Data-Driven Models, Optimization Computational Fluids Dynamics, Physics-Informed Deep Learning, Bioengineering
JOURNAL PUBLICATIONS	Jaramillo-Morán, M.A., Fernández-Martínez, D. , García-García, A., Carmona-Fernández, D. Improving Artificial Intelligence Forecasting Models Performance with Data Preprocessing: European Union Allowance Prices Case Study. <i>Energies</i> 2021, 14, 7845. IF: 3.004 DOI: 10.3390/en14237845
CONFERENCE PUBLICATIONS	Fernández-Martínez, D. , Jaramillo-Morán, M.A., Carmona-Fernández, D., Rodríguez-Méndez, D. EIIGraph: conexiones Universidad - Empresa mediante la Teoría de Grafos. <i>II Congreso Agora Internacional. Educación, Investigación y Empleo</i> . Nov' 23 - Nov'27, Madrid, Spain
FELLOWSHIPS & AWARDS	<p>JAE Intro ICU Fellow, Artificial Intelligence Research Institute, Spanish National Research Council (CSIC) <i>Oct' 21</i></p> <p>Erasmus Grant, European Commission <i>Sep' 19</i></p> <p>SICUE National Exchange Programme, CRUE Universidades Españolas <i>Sep' 18</i></p>
RESEARCH PROJECTS	<p>Electrical load forecasting with advanced machine learning techniques Position : Research Support Engineer, School of Industrial Engineering (UEX), Badajoz, Spain Supervisor: Dr. M.A. Jaramillo Morán Funding: Ayudas para el fomento de la contratación de personal de apoyo a la investigación en la Comunidad Autónoma de Extremadura <i>Nov '20 - Present</i></p> <p>An AI-based recommendation system for “green routes” in sustainable urban environments Position: JAE Intro ICU Fellow, Artificial Intelligence Research Institute (IIIA-CSIC), Barcelona, Spain Supervisor: Dr. Filippo Bistaffa Funding: JAE Intro ICU Fellow <i>Oct '21 - Nov '21</i></p>
COMPUTER SKILLS	<p>Languages & Frameworks: Python, Tensorflow, Keras, C, R, Java, \LaTeX</p> <p>Other CS tools: Git, Docker</p> <p>Engineering software: MATLAB, Fluent, Solidworks</p>