

CV Date	23/08/2022
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## Part A. PERSONAL INFORMATION

First Name *	ANTONIO		
Family Name *	MORENO MUÑOZ		
Sex *	Male	Date of Birth *	
ID number Social Security, Passport *		Phone Number *	(+34) 957218373
URL Web	http://www.uco.es/users/amoreno/		
Email Address	amoreno@uco.es		
Researcher's identification number	Open Researcher and Contributor ID (ORCID) *	0000-0002-7298-3902	
	Researcher ID	C-5819-2011	
	Scopus Author ID	9743221900	

\* Mandatory

### A.1. Current position

Job Title	Catedrático de Universidad		
Starting date	2016		
Institution	Universidad de Córdoba		
Department / Centre	Departamento de Ingeniería Electrónica y de Computadores / Escuela Politécnica Superior		
Country		Phone Number	
Keywords	Electric engineers, electronic and automatic (eil)		

### A.2. Previous positions

Period	Job Title / Name of Employer / Country
2006 - 2017	Director de Departamento / Universidad de Córdoba / Spain
2003 - 2016	Profesor Titular de Universidad / Universidad de Córdoba / Spain
2010 - 2015	Director del Master Universitario de Energías Renovables Distribuidas / Universidad de Córdoba / Spain
2007 - 2015	Consejero de la Agencia Provincial de la Energía de Córdoba / Diputación provincial de Córdoba
2005 - 2006	Director de Departamento / Universidad de Córdoba / Spain

### A.3. Education

Degree/Master/PhD	University / Country	Year
Doctorado en Automática e informática industrial	Universidad Nacional de Educación a Distancia	1998
Licenciado en Física. Especialidad en Automática	Universidad Nacional de Educación a Distancia	1992
Ingeniero Técnico Industrial Especialidad Electrónica	Universidad de Córdoba	1988

### A.4. General quality indicators of scientific production

- The number of six-years research periods recognized by the CNEAI: 3 (2000-2005, 2006-2011, 2012-2017), "Knowledge Transfer and Innovation" (2000-2009). Year of the last one: 2017.
- Supervised theses: In the last 10 years: 9, In the last 5 years: 6.
- Theses registered in the last 5 years: 4.
- He has participated in 21 R&D projects and/or contracts, including the management of 10 of them.

- 1 Patent: 'Power Line Conditioning Circuit', Spanish Patent P, vol. 200700925.
- Publications in indexed journals: JCR -SCI (80), JCR -SSCI (6), SJR (16)
- Total publications in the first quartile Q1: 18
- Total publications in the second quartile Q2: 17
- Author/editor of 4 scientific monographs.
- Author of 6 publications in non-indexed journals.
- Author of 171 scientific contributions at IEEE International Conferences and Congresses.
- Verified Reviews: 46
- Total number of appointments received (No date filter): 4003
- Average appointments/years: during the last 5 years: 2151
- Average Citations Per Year: 80.4
- Average Citations Per Document: 8.9
- Index h (Web of Science): 20; Index h (Scopus): 23; Index i10(Google): 93;

## Part C. RELEVANT ACCOMPLISHMENTS

### C.1. Publications

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 **Scientific paper**. Santiago, I.; Moreno-Munoz, A.; Quintero-Jiménez, P.; Garcia-Torres, F.; Gonzalez-Redondo, M.J.2021. Electricity demand during pandemic times: The case of the COVID-19 in Spain Energy Policy. Elsevier. 148. ISSN 03014215.
- 2 **Scientific paper**. Linan-reyes, M.; Garrido-zafra, J.; Gil-de-castro, A.; Moreno-munoz, A.2021. Energy management expert assistant, a new concept Sensors. 21-17.
- 3 **Scientific paper**. Moreno-Munoz, A.2021. Inequality built into the grid Nature Energy. 6-9, pp.852-853. ISSN 2058-7546.
- 4 **Scientific paper**. Garcia-Torres, Felix; Bordons, Carlos; Tobajas, Javier; Marquez, Juan Jose; Garrido-Zafra, Joaquin; Moreno-Munoz, Antonio. 2020. Optimal Schedule for Networked Microgrids under Deregulated Power Market Environment using Model Predictive Control IEEE Transactions on Smart Grid. Institute of Electrical and Electronics Engineers (IEEE). 12-1, pp.182-191. ISSN 1949-3053.
- 5 **Scientific paper**. Garrido-Zafra, Joaquin; Gil de Castro, Aurora del Rocio; Savariego Fernandez, Rafael; Linan Reyes, Matias; Garcia, Felix; Moreno-Munoz, Antonio. 2022. IoT cloud-based Power Quality extended functionality for Grid-Interactive Appliance Controllers IEEE Transactions on Industry Applications. pp.1-1.
- 6 **Scientific paper**. Palacios-Garcia, E.J.; Moreno-Munoz, A.; Santiago, I.; Flores-Arias, J.M.; Bellido-Outeirino, F.J.; Moreno-Garcia, I.M.2018. A stochastic modelling and simulation approach to heating and cooling electricity consumption in the residential sector Energy. 144. ISSN 03605442.
- 7 **Scientific paper**. Palacios-García, E J; Moreno-Munoz, A; Santiago, I; Flores-Arias, J M; Bellido-Outeirino, F J; Moreno-Garcia, I M. 2018. Modeling human activity in Spain for different economic sectors: The potential link between occupancy and energy usage Journal of Cleaner Production. Elsevier. ISSN 0959-6526.
- 8 **Scientific paper**. Milanes-Montero, M.I.; Barrero-Gonzalez, F.; Pando-Acedo, J.; Gonzalez-Romera, E.; Romero-Cadaval, E.; Moreno-Munoz, A.2018. Smart Community Electric Energy Micro-Storage Systems with Active Functions IEEE Transactions on Industry Applications. ISSN 00939994.
- 9 **Scientific paper**. Moreno-Garcia, I.M.; Moreno-Munoz, A.; Pallares-Lopez, V.; Gonzalez-Redondo, M.J.; Palacios-Garcia, Emilio J.; Moreno-Moreno, Carlos D.2017. Development and application of a smart grid test bench Journal of Cleaner Production. 162-Supplement C, pp.45-60. ISSN 0959-6526.
- 10 **Scientific paper**. A. Moreno-Munoz; F.J. Bellido-Outeirino; P. Siano; M.A. Gomez-Nieto. (1/ ). 2016. Mobile social media for smart grids customer engagement: Emerging trends and challenges Renewable and Sustainable Energy Reviews. 53, pp.1611-1616A. SCOPUS (0)

### C.3. Research projects and contracts

- 1 **Project.** SOE3/P3/E0901, Integration of combined cooling, heating and power microgrids in zero-energy public buildings under high power quality and continuity of service requirements (IMPROVEMENT). INTERREG SUDOE. Antonio Moreno Muñoz. (Universidad de Córdoba). 01/10/2019-30/09/2022. 252.400 €.
- 2 **Project.** Control y Gestión de Nanorredes Aislables Sistema de Gestión de Electrodomésticos Inteligentes (COMING-SAM). Ministerio de Economía, Industria y Competitividad. Antonio Moreno Muñoz. (Universidad de Córdoba). 30/12/2016-29/12/2019. 93.775 €.
- 3 **Project.** TEC-2013-47316-C3, Sistema de Gestión Energética de una Comunidad Inteligente (SCEMS). Ministerio de Economía y Competitividad. Antonio Moreno Muñoz. (Universidad de Córdoba). 01/01/2014-30/06/2017. Co-ordinator.
- 4 **Project.** 12013112 G-GI3002/IDIF, Integración de Tecnologías para Telegestión de los Sistemas de Iluminación Pública (IT2SIP). Agencia de Obra Pública de la Junta de Andalucía. FRANCISCO JOSÉ BELLIDO OUTEIRIÑO. (Universidad de Córdoba). 01/10/2013-30/06/2015. 373.107,62 €.
- 5 **Project.** ITC-20131005, Sistema inteligente de producción, almacenamiento y gestión de energía fotovoltaica on-time PV-ONTIME. CDTI. FEDER INNTERCONECTA 2013.. Isabel Santiago Chiquero. (Universidad de Córdoba). 01/08/2013-31/01/2015.
- 6 **Project.** EXP 00063456 / ITC-20131002, Total Integrated GRid Intelligent System (TIGRIS). CDTI. FEDER INNTERCONECTA 2013. TELVENT ENERGÍA S.A.. (Universidad de Córdoba). 01/08/2013-31/01/2015. 151.416,98 €.
- 7 **Project.** TEC2010-19242-C03-02, Inversor inteligente para fuentes de energía distribuida: Seguridad, protección y comunicaciones (SIDER-PROCOM). Ministerio de Ciencia e Innovación. ANTONIO MORENO MUÑOZ. (Universidad de Córdoba). 01/01/2011-31/12/2013. 39.325 €. Co-ordinator.
- 8 **Project.** TSI-020100-2010-484, Técnicas Avanzadas para Sistemas Activos, TASA. Ministerio de Industria, Turismo y Comercio. ANTONIO MORENO MUÑOZ. (Universidad de Córdoba). 01/01/2011-31/12/2012. 50.016 €. Co-ordinator.
- 9 **Project.** TSI-020100-2008-258, Sistemas empotrados para infraestructuras críticas(SEPIC). Ministerio de Industria, Turismo y Comercio. ANTONIO MORENO MUÑOZ. (Universidad de Córdoba). 29/09/2008-28/02/2009. 79.800 €. Co-ordinator.
- 10 **Contract.** Smart City: Implementación de un mostrador de tecnologías ANTONIO MORENO MUÑOZ. 16/03/2009-15/08/2010. 93.171,2 €.

### C.4. Activities of technology / knowledge transfer and results exploitation

**Patent of invention.** ANTONIO MORENO MUÑOZ. P200700925. Circuito acondicionador de línea de potencia Spain. 22/06/2010. Universidad de Córdoba.