

Gregorio Muñoz Delgado

INFORMACIÓN DE CONTACTO

Nombre: Gregorio Muñoz Delgado
Departamento: Ingeniería Eléctrica, Electrónica, Automática y Comunicaciones
Escuela: Escuela Técnica Superior de Ingeniería Industrial
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POSICIÓN ACTUAL

Profesor Titular de Universidad en la Universidad de Castilla-La Mancha, Ciudad Real, España (Abril 2024 – Actualidad).

EXPERIENCIA PROFESIONAL

1. **Profesor Contratado Doctor Interino** en la Universidad de Castilla-La Mancha, Ciudad Real, España (Septiembre 2017 – Marzo 2024).
2. **Ayudante Doctor** en la Universidad de Castilla-La Mancha, Ciudad Real, España (Septiembre 2017 – Octubre 2018).
3. **Investigador Predoctoral** en la Universidad de Castilla-La Mancha, Ciudad Real, España (Diciembre 2014 – Septiembre 2017).
4. **Becario de Investigación** en proyecto Singular en la Universidad de Castilla-La Mancha, Ciudad Real, España (Febrero 2013 – Diciembre 2014).
5. **Becario de Colaboración** en el Departamento de Ingeniería Eléctrica, Electrónica, Automática y Comunicaciones de la Universidad de Castilla-La Mancha, Ciudad Real, España (Octubre 2011 – Junio 2012).

FORMACIÓN ACADÉMICA

1. **Doctorado en Ciencias y Tecnologías aplicadas a la Ingeniería Industrial**, en la Universidad de Castilla-La Mancha, Ciudad Real, España, *Cum Laude y Mención Internacional* (Octubre 2013 – Noviembre 2017).
2. **Máster Universitario en Ingeniería Industrial**, en la Universidad de Castilla-La Mancha, Ciudad Real, España (Septiembre 2012 – Septiembre 2013).
3. **Ingeniero Industrial**, en la Universidad de Castilla-La Mancha, Ciudad Real, España (Septiembre 2006 – Julio 2012).

PARTICIPACIÓN EN PROYECTOS DE INVESTIGACIÓN

1. FP7 No. 309048. Smart and Sustainable Insular Electricity Grids under Large-Scale Renewable Integration (SINGULAR Project). Colaborador. European Union Seventh Framework Programme (2012 – 2015).
2. POII-2014-012-P. Herramientas para la Integración de Energía Eólica en Sistemas de Energía Eléctrica. Colaborador. Junta de Comunidades de Castilla-La Mancha (2014 – 2017).
3. ENE2015-63879-R. Planificación de la Ampliación de la Red Eléctrica de Distribución Considerando Energías Renovables, Almacenamiento, Vehículos Eléctricos y Respuesta de la Demanda. Colaborador. Ministerio de Economía y Competitividad de España (2016 – 2019).
4. RTI2018-096108-A-100. Estrategias de Operación y Planificación para Plantas Virtuales de Producción Eléctrica bajo Incertidumbre. Colaborador. Ministerio de Ciencia, Innovación y Universidades de España (2019 – 2022).

5. RTI2018-098703-B-100. Herramientas Basadas en Optimización Robusta para la Gestión de Incertidumbre en Mercados Eléctricos. Colaborador. Ministerio de Ciencia, Innovación y Universidades de España (2019 – 2022).
6. SBPLY/21/180501/000154. Integración Óptima de los Vehículos Eléctricos en la Gestión de los Sistemas de Distribución Eléctrica. Colaborador. Junta de Comunidades de Castilla-La Mancha (2022 – 2025).
7. PID2021-122579OB-I00. Planificación Coordinada de los Sistemas de Transporte y Distribución de Energía Eléctrica. Investigador principal. Ministerio de Ciencia e Innovación de España (2022 – 2025).
8. Grant Agreement ID 101160614. Effective Uptake of Digital Services to Repower European Consumers and Communities as Active Participants in Energy Transition and Markets (EU-DREAM Project). Colaborador. European Union Horizon Europe Programme (2024 – 2027).

CONTRATOS CON EMPRESAS

1. 200331UCTR. Comunidad energética de consumidores industriales en Gran Canaria. Investigador Principal. Instituto Tecnológico de Canarias, S.A. (2020).

ARTÍCULOS EN REVISTAS CIENTÍFICAS INDEXADAS

1. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Joint expansion planning of distributed generation and distribution networks," *IEEE Transactions on Power Systems*, vol. 30, no. 5, pp. 2579–2590, Septiembre 2015.
2. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Multistage generation and network expansion planning in distribution systems considering uncertainty and reliability," *IEEE Transactions on Power Systems*, vol. 31, no. 5, pp. 3715–3728, Septiembre 2016.
3. M. Asensio, **G. Muñoz-Delgado**, and J. Contreras, "A bi-level approach to distribution network and renewable energy expansion planning considering demand response," *IEEE Transactions on Power Systems*, vol. 32, no. 6, pp. 4298–4309, Noviembre 2017.
4. M. Asensio, P. Meneses de Quevedo, **G. Muñoz-Delgado**, and J. Contreras, "Joint distribution network and renewable energy expansion planning considering demand response and energy storage—Part I: Stochastic programming model," *IEEE Transactions on Smart Grid*, vol. 9, no. 2, pp. 655–666, Marzo 2018.
5. M. Asensio, P. Meneses de Quevedo, **G. Muñoz-Delgado**, and J. Contreras, "Joint distribution network and renewable energy expansion planning considering demand response and energy storage—Part II: Numerical results," *IEEE Transactions on Smart Grid*, vol. 9, no. 2, pp. 667–675, Marzo 2018.
6. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Distribution network expansion planning with an explicit formulation for reliability assessment", *IEEE Transactions on Power Systems*, vol. 33, no. 3, pp. 2583–2596, Mayo 2018.
7. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Reliability assessment for distribution optimization models: A non-simulation-based linear programming approach," *IEEE Transactions on Smart Grid*, vol. 9, no. 4, pp. 3048–3059, Julio 2018.
8. P. Meneses de Quevedo, **G. Muñoz-Delgado**, and J. Contreras, "Impact of electric vehicles on the expansion planning of distribution systems considering renewable energy, storage and charging stations," *IEEE Transactions on Smart Grid*, vol. 10, no. 1, pp. 794–804, Enero 2019.
9. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Distribution system expansion planning considering non-utility-owned DG and an independent distribution system operator," *IEEE Transactions on Power Systems*, vol. 34, no. 4, pp. 2588–2597, Julio 2019.
10. A. Tabares, **G. Muñoz-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*, vol. 34, no. 4, pp. 2870–2879, Julio 2019.

11. S. Haghifam, K. Zare, M. Abapour, **G. Muñoz-Delgado**, and J. Contreras, "A Stackelberg game-based approach for transactive energy management in smart distribution networks". *Energies*, vol. 13, no. 14, artículo no. 3621, pp. 1-32, Julio 2020.
12. P. Diaz-Cachinero, J. I. Muñoz-Hernandez, J. Contreras, and **G. Muñoz-Delgado**, "An enhanced delivery route operational planning model for electric vehicles," *IEEE Access*, vol. 8, pp. 141762–141776, Julio 2020.
13. M. Jooshaki, A. Abbaspour, M. Fotuhi-Firuzabad, **G. Muñoz-Delgado**, J. Contreras, M. Lehtonen, and J. M. Arroyo, "Linear formulations for topology-variable-based distribution system reliability assessment considering switching interruptions," *IEEE Transactions on Smart Grid*, vol. 11, no. 5, pp. 4032–4043, Septiembre 2020.
14. **G. Muñoz-Delgado**, J. Contreras, J. M. Arroyo, A. Sanchez de la Nieta, and M. Gibescu, "Integrated transmission and distribution system expansion planning under uncertainty," *IEEE Transactions on Smart Grid*, vol. 12, no. 5, pp. 4113–4125, Septiembre 2021.
15. J. Contreras, **G. Muñoz-Delgado**, "Distributed Power Generation Scheduling, Modeling, and Expansion Planning," *Energies*, vol. 14, no. 22, article no. 7757, pp. 1–2, Noviembre 2021.
16. L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and R. Romero, "Optimal service restoration in active distribution networks considering microgrid formation and voltage control devices," *IEEE Transactions on Industry Applications*, vol. 57, no. 6, pp. 5758–5771, Noviembre/Diciembre 2021.
17. M. Jooshaki, A. Abbaspour, M. Fotuhi-Firuzabad, **G. Muñoz-Delgado**, J. Contreras, M. Lehtonen, and J. M. Arroyo, "An enhanced MILP model for multistage reliability-constrained distribution network expansion planning," *IEEE Transactions on Power Systems*, vol. 137, no. 1, pp. 118–131, Enero 2022.
18. M. A. Mejia, L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and A. Padilha-Feltrin, "Medium-term planning of active distribution systems considering voltage-dependent loads, network reconfiguration, and CO2 emissions," *International Journal of Electrical Power and Energy Systems*, vol. 135, artículo no. 107541, pp. 1–14, Febrero 2022.
19. M. A. Mejia, L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and A. Padilha-Feltrin, "Multistage planning model for active distribution systems and electric vehicle charging stations considering voltage-dependent load behavior," *IEEE Transactions on Smart Grid*, vol. 13, no. 2, pp. 1383–1397, Marzo 2022.
20. A. Tabares, **G. Muñoz-Delgado**, J. F. Franco, J. M. Arroyo, and J. Contreras, "Multistage reliability-based expansion planning of ac distribution networks using a mixed-integer linear programming model," *International Journal of Electrical Power and Energy Systems*, vol. 138, artículo no. 107916, pp. 1–12, Junio 2022.
21. M. Jooshaki, M. Lehtonen, M. Fotuhi-Firuzabad, **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "On the explicit formulation of reliability assessment of distribution systems with unknown network topology: Incorporation of DG, switching interruptions, and customer-interruption quantification," *Applied Energy*, vol. 324, artículo no. 119655, pp. 1–10, Octubre 2022.
22. M. A. Mejia, L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and A. Padilha-Feltrin, "Active distribution system planning considering non-utility-owned electric vehicle charging stations and network reconfiguration," *Sustainable Energy, Grids and Networks*, vol. 35, artículo no. 101101, pp. 1–16, Septiembre 2023.
23. M. Niu, C. Gao, **G. Muñoz-Delgado**, and J. Contreras, "A cross-carrier multilateral trading model for integrated electricity and natural gas systems," *Applied Energy*, vol. 354, article no. 122064, pp. 1–16, Enero 2024.
24. W. R. Faria, **G. Muñoz-Delgado**, J. Contreras, and B. R. Pereira Jr, "A novel framework for the day-ahead market clearing process featuring the participation of distribution system operators and a hybrid pricing mechanism," *International Journal of Electrical Power and Energy Systems*, vol. 155, article no. 109664, pp. 1–15, Enero 2024.

25. W. R. Faria, **G. Muñoz-Delgado**, J. Contreras, and B. R. Pereira Jr, "A trilevel programming model for the coordination of wholesale and local distribution markets considering GENCOs and proactive customers," *Applied Energy*, vol. 357, article no. 122509, pp. 1–14, Marzo 2024.
26. J. A. Marcelo, **G. Muñoz-Delgado**, J. Contreras, and J. R. S. Mantovani, "Multistage planning for active power distribution systems with increasing penetration of prosumers and electric vehicles," *Sustainable Energy, Grids and Networks*, vol. 38, artículo no. 101280, pp. 1–14, Junio 2024.
27. W. R. Faria, **G. Muñoz-Delgado**, J. Contreras, and B. R. Pereira Jr, "Distribution and transmission coordinated dispatch under joint electricity and carbon day-ahead markets," *Sustainable Energy, Grids and Networks*, vol. 38, artículo no. 101393, pp. 1–13, Junio 2024.

LIBROS

1. J. Contreras, M. Asensio, P. Meneses, **G. Muñoz-Delgado**, and S. Montoya-Bueno, *Joint RES and Distribution Network Expansion Planning under a Demand Response Framework*. Oxford, UK: Academic Press, 2016. ISBN: 978-0-12-805322-5.
2. J. Contreras and **G. Muñoz-Delgado**, *Distributed Power Generation Scheduling, Modelling and Expansion Planning*. Switzerland: MDPI, 2021. ISBN: 978-3-0365-0742-2.

CAPÍTULOS DE LIBRO

1. **G. Muñoz-Delgado**, S. Montoya-Bueno, M. Asensio, J. Contreras, J. I. Muñoz, and J. M. Arroyo, "Renewable Generation and Distribution Grid Expansion Planning," in *J. P. S. Catalão, editor, Smart and Sustainable Power Systems: Operations, Planning and Economics of Insular Electricity Grids*, pp. 345–403. Boca Raton, FL, USA: CRC Press, 2015. ISBN: 978-1-4987-1212-5.
2. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Distribution system expansion planning," in *F. Shahnia, A. Arefi, and G. Ledwich, editors, Electric Distribution Network Planning*, pp. 1–39. Singapore: Springer, 2018. ISBN: 978-981-10-7055-6.
3. M. A. Mejia, L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and A. Padilha-Feltrin "Optimal siting and sizing of renewable energy-based distributed generation in distribution systems considering CO₂ emissions," in *D. Borge-Diez and E. Rosales-Asensio, editors, Sustainable Energy Planning in Smart Grids*, pp. 199–231. Amsterdam, The Netherlands: Elsevier, 2024. ISBN: 978-0-443-14154-6.

CONTRIBUCIÓN A CONGRESOS CIENTÍFICOS DE RELEVANCIA INTERNACIONAL

1. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Optimal expansion planning in distribution networks with distributed generation," *presentado en la 18th Power Systems Computation Conference, Wroclaw (Polonia)*, 18–22 de Agosto, 2014.
2. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Joint expansion planning of distributed generation and distribution networks," *presentado en la 2015 IEEE Power & Energy Society General Meeting, Denver (USA)*, 26–30 de Julio, 2015.
3. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Distribution system expansion planning considering wind-based distributed generation," *presentado en la WindFarms2017 Conference, Madrid (Spain)*, 31 de Mayo–2 de Junio, 2017.
4. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Multistage generation and network expansion planning in distribution systems considering uncertainty and reliability," *presentado en la 2017 IEEE Power & Energy Society General Meeting, Chicago (USA)*, 16–20 de Julio, 2017.

5. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Reliability assessment for distribution optimization models: A non-simulation-based linear programming approach," *presentado en la 2017 IEEE Power & Energy Society General Meeting, Chicago (USA)*, 16–20 de Julio, 2017.
6. P. Meneses de Quevedo, **G. Muñoz-Delgado**, and J. Contreras, "Joint expansion planning of distribution networks, EV charging stations and wind power generation under uncertainty," *presentado en la 2017 IEEE Power & Energy Society General Meeting, Chicago (USA)*, 16–20 de Julio, 2017.
7. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Distribution network expansion planning with an explicit formulation for reliability assessment," *presentado en la 2018 IEEE Power & Energy Society General Meeting, Portland (USA)*, 5–9 de Agosto, 2018.
8. P. Meneses de Quevedo, **G. Muñoz-Delgado**, and J. Contreras, "Impact of electric vehicles on the expansion planning of distribution systems considering renewable energy, storage and charging stations," *presentado en la 2018 IEEE Power & Energy Society General Meeting, Portland (USA)*, 5–9 de Agosto, 2018.
9. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Multistage expansion planning of distribution networks considering reliability," *presentado en la 2018 INFORMS Annual Meeting, Phoenix (USA)*, 4–7 de Noviembre, 2018.
10. **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Distribution system expansion planning considering non-utility-owned DG and an independent distribution system operator," *presented at the 2020 IEEE Power & Energy Society General Meeting, Evento Virtual*, 3–6 de Agosto, 2020.
11. A. Tabares, **G. Muñoz-Delgado**, J. F. Franco, J. M. Arroyo, and J. Contreras, "An enhanced algebraic approach for the analytical reliability assessment of distribution systems," *presented at the 2020 IEEE Power & Energy Society General Meeting, Evento Virtual*, 3–6 de Agosto, 2020.
12. L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and R. Romero, "Optimal service restoration in active distribution networks considering microgrid formation and voltage control devices," *presented at the 2020 International conference on Smart Energy Systems and Technologies, Evento Virtual*, 7–9 de Septiembre, 2020.
13. **G. Muñoz-Delgado**, J. Contreras, J. M. Arroyo, A. Sanchez de la Nieta, and M. Gibescu, "Transmission and distribution system expansion planning considering network and generation investments under uncertainty," *presented at the 2020 International conference on Smart Energy Systems and Technologies, Evento Virtual*, 7–9 de Septiembre, 2020.
14. M. A. Mejía, L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and A. Padilha-Feltrin, "A stochastic model for medium-term distribution system planning considering CO₂ emissions," *presented at the 2020 International conference on Smart Energy Systems and Technologies, Evento Virtual*, 7–9 de Septiembre, 2020.
15. L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and R. Romero, "Optimal restoration of distribution networks through reconfiguration and microgrid formation," *presented at the IEEE PES Innovative Smart Grid Technologies Conference, Evento Virtual*, 25–28 de Octubre, 2020.
16. J. Contreras, **G. Muñoz-Delgado**, and J. M. Arroyo, "Distribution System Expansion Planning Considering an Independent Distribution System Operator," *presented at the 2020 INFORMS Annual Meeting, Evento Virtual*, 7–13 de Noviembre, 2020.
17. M. Jooshaki, M. Lehtonen, M. Fotuhi-Firuzabad, **G. Muñoz-Delgado**, J. Contreras, and J. M. Arroyo, "Optimization-based distribution system reliability evaluation: An enhanced MILP model," *presented at the 2021 International conference on Smart Energy Systems and Technologies, Evento Virtual*, 6–8 de Septiembre, 2021.

18. **G. Muñoz-Delgado**, J. Contreras, J. M. Arroyo, A. Sanchez de la Nieta, and M. Gibescu, "Co-optimized transmission and distribution system expansion planning," *presented at the 2021 INFORMS Annual Meeting, Evento Virtual*, 24–27 de Octubre, 2021.
19. M. A. Mejia, L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and A. Padilha-Feltrin, "Distribution system planning considering non-utility-owned electric vehicle charging stations," *presented at the 2022 International conference on Smart Energy Systems and Technologies, Eindhoven (Países Bajos)*, 5–7 de Septiembre, 2022.
20. M. A. Mejia, L. H. Macedo, J. F. Franco, **G. Muñoz-Delgado**, and J. Contreras, "Integrated planning of active distribution systems and charging stations for plug-in electric vehicles considering the vehicular traffic network," *presented at the 23rd International Conference on Environment and Electrical Engineering, Madrid (España)*, 6–9 de Junio, 2023.
21. J. A. Marcelo, **G. Muñoz-Delgado**, J. Contreras, and J. R. S. Mantovani, "A novel solution technique for the expansion planning of modern distribution systems," *presented at the 23rd International Conference on Environment and Electrical Engineering, Madrid (España)*, 6–9 de Junio, 2023.
22. M. A. Mejia, L. H. Macedo, John F. Franco, **G. Muñoz-Delgado**, and J. Contreras, "Multi-objective distribution system planning considering non-utility-owned distributed generation and CO₂ emissions costs," *presented at the International Conference on Future Energy Solutions, Vaasa (Finlandia)*, 12–14 de Junio, 2023.
23. W. R. Faria, **G. Muñoz-Delgado**, J. Contreras, and B. R. Pereira Jr, "Optimal management of distribution-connected assets operating under carbon and energy day-ahead markets," *presented at PowerTech 2023, Belgrado (Serbia)*, 25–29 de Junio, 2023.
24. M. A. Mejia, L. H. Macedo, **G. Muñoz-Delgado**, J. Contreras, and A. Padilha-Feltrin, "Multistage planning model for active distribution systems and electric vehicle charging stations considering voltage-dependent load behavior," *presented at the 2023 IEEE Power & Energy Society General Meeting, Orlando (USA)*, 16–22 de julio, 2023.
25. **G. Muñoz-Delgado**, J. Contreras, J. M. Arroyo, A. Sanchez de la Nieta, and M. Gibescu, "Integrated transmission and distribution system expansion planning under uncertainty," *presented at the 2023 IEEE Power & Energy Society General Meeting, Orlando (USA)*, 16–22 de Julio, 2023.
26. N. Alguacil, N. Chowdhury, **G. Muñoz-Delgado**, and J. Contreras, "Coordinated Generation Expansion Planning for Transmission and Distribution Systems via ADMM," *presented at the 2024 INFORMS Annual Meeting, Copenhagen (Dinamarca)*, 30 de Junio–3 de Julio, 2024.

ESTANCIAS DE INVESTIGACIÓN EN EL EXTRANJERO

1. Estancia con el Profesor Gareth Harrison en el "Institute for Energy Systems" de "University of Edinburgh", Edimburgo, Escocia, UK. Desde el 24 de Marzo de 2015 hasta el 23 de Junio de 2015 (3 meses).
2. Estancia con el Profesor Fabrizio Pilo en el "Department of Electrical and Electronic Engineering at the University of Cagliari", Cagliari, Italia. Desde el 1 de Marzo de 2016 hasta el 31 de Mayo de 2016 (3 meses).
3. Estancia con la Profesora Madeleine Gibescu en el "Energy & Resources group at the Copernicus Institute for Sustainable Development" de "Utrecht University", Utrecht, Países Bajos. Desde el 1 de Marzo de 2019 hasta el 31 de Agosto de 2019 (6 meses).

BECAS Y AYUDAS OBTENIDAS

1. Beca de Colaboración en el Departamento de Ingeniería Eléctrica, Electrónica, Automática y Comunicaciones de la Universidad de Castilla-La Mancha. Ministerio de Educación. 2011.
2. Ayudas para la formación de personal investigador para el periodo 2014–2016 con prórroga por dos años más. Junta de Comunidades de Castilla-La Mancha. 2014.

3. Ayudas predoctorales para estancias en otras Universidades y Centros de Investigación extranjeros. Cátedra Enresa. 2015.
4. Ayudas para estancias en otras universidades y centros de investigación para el año 2016. Universidad de Castilla-La Mancha. 2016.
5. Ayudas para estancias en otras universidades y centros de investigación para el año 2019. Universidad de Castilla-La Mancha. 2019.

PREMIOS

1. Premio “Gas Natural Fenosa” al mejor Proyecto Fin de Carrera de la Escuela Técnica Superior de Ingenieros Industriales de la Universidad de Castilla-La Mancha. 2013.
2. Premio al mejor paper en 2020 International Conference on Smart Energy Systems and Technologies (SEST 2020).
3. Premio a la mejor presentación en 2021 International Conference on Smart Energy Systems and Technologies (SEST 2021).
4. Premio al mejor paper en International Conference on Future Energy Solutions (FES 2023).

OTRA INFORMACIÓN DE INTERÉS

1. Revisor de las revistas *IEEE Transaction on Sustainable Energy*, *IEEE Transactions on Power Systems*, *IEEE Transactions on Smart Grid*, *Sustainable Energy, Grids and Networks*, *International Journal of Electrical Power and Energy Systems*, y *Journal of Energy Engineering*.
2. Miembro del Technical Program Committee of the International conference on Smart Energy Systems and Technologies desde 2019 hasta 2023 (5 ediciones).
3. Guest Editor del Special Issue “Distributed Power Generation Scheduling, Modelling and Expansion Planning” publicado en *Energies*.
4. Guest Editor del Special Issue *Energy Management Systems to Enable 100% Decarbonized Distribution Networks* publicado en *IET Renewable Power Generation*.
5. Associate Editor en “*Journal of Control, Automation and Electrical Systems*” desde 2020.
6. Pertenencia al grupo de investigación *Power and Energy Analysis and Research Laboratory*.
7. Miembro Senior del IEEE (Institute of Electrical and Electronics Engineers) y de la *Power and Energy Society* desde 2022.
8. Miembro de Colegio Oficial de Ingenieros Industriales de Madrid desde 2012.

Ciudad Real, España
Septiembre de 2024