

# Joaquín Ordieres Meré

Curriculum Vitae. Short version

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## Current Position

2009-Present **Full Professor**, *Universidad Politécnica de Madrid, Department of Industrial Engineering, Business Administration and Statistics, Madrid, ES*

## Areas of Interest in Research & Consultancy

### Knowledge Management

- o **Quantum Technologies**, *Quantum AI, Simulated Quantum Computing*
- o **Big Data**, *Business Intelligence, Business Analytics*
- o **Improving industrial processes by using data based models**, *Process Optimization, Data Mining, Business Intelligence*
- o **Pollution models based on data**, *Environmental estimation, Data Mining*
- o **Energy**, *Biomethanization and Solar Technologies, BioMethanization: MSW, (Solar: Nanocoatings related to glass transmission improvement*

### Modelling

- o **Finite Element Method based models**, *Numerical Models*
- o **Industry 4.0 and Human behavior interactions**, *Steel Industry*
- o **Industrial Internet of Things**, *Processes*

### Management

- o **Competence Metrics in Project Management**, *Competences, Project Management*
- o **Digital Business Process Modelling**, *Project Management*
- o **Project, Program and Portfolio Governance**, *Project Management*
- o **Lean Manufacturing**, *(Industry 4.0 and Lean)*
- o **Lean Management**, *(CPD)<sub>nA</sub>*

## Bibliometrics KPIs

### Agencies

February 2026

	Documents	Citations	h-index	Q1	D1	IFNA	IFNB	IFNESI
WoS	157	8988	30	59	15	1.93	1.59	1.38
Scopus	179	9658	33	82	46	1.26	1.31	–

### Google Scholar

February 2026

	All	Since 2020
Citations	15955	9478
h-index	44	34
i10-index	106	71

Year	Rank	Total
2025-all	151690	-
2025-Subfield 1	6330	458615

## Publications

### Papers.

Javier Villalba-Díez and Joaquín Ordieres-Meré. Triangulated relativistic quantum computation: a curvature-modulated unification of quantum and relativistic computing. *Quantum Studies: Mathematics and Foundations*, 13(2), January 2026.

Javier Villalba-Díez and Joaquín Ordieres-Meré. Standardized quantum transistor block enables differentiable learning on gait dynamics. *Scientific Reports*, feb 2026.

Simon Jehnen, Javier Villalba-Díez, and Joaquín Ordieres-Meré. Fintextsim: a domain-specific sentence-transformer for extracting predictive latent topics from financial disclosures. *Frontiers in Artificial Intelligence*, 9, mar 2026.

Mercedes Grijalvo, Joaquín Ordieres-Meré, Manuel Uche-Soria, Bernardo Tabuenca, and Yolanda Aladro-Benito. Apps and knowledge contributing to creating value for ehealth solutions. *Journal of Innovation & Knowledge*, 12:100886, March 2026.

Javier Villalba-Díez and Joaquín Ordieres-Meré. Quantum-enhanced signal processing via vqe for improved biomechanical feedback control. *Digital Signal Processing*, 166:105357, November 2025.

Joaquín Ordieres-Meré, Antonio Sánchez-Herguedas, and Ángel Mena-Nieto. A data-driven monitoring system for a prescriptive maintenance approach: Supporting reinforcement learning strategies. *Applied Sciences*, 15(12):6917, June 2025.

Joaquín Ordieres-Meré, Mercedes Grijalvo, Guillermo Martín-Ávila, and Yolanda Aladro. Remote gait monitoring system to facilitate assessment of people with multiple sclerosis. *IEEE Internet of Things Journal*, 12(24):54348–54367, 2025.

Alejandro Moreno and Joaquín Ordieres-Meré. Predicting stock price trends using language models to extract the sentiment from analyst reports: Evidence from ibex 35-listed companies. *Economics Letters*, 254:112404, August 2025.

Mercedes Grijalvo, Joaquín Ordieres-Meré, and Yolanda Aladro-Benito. Value co-creation of product-service-system in multiple sclerosis: An ecosystem perspective. *Journal of Competitiveness*, 17(4), dec 2025.

Mercedes Grijalvo, Diego Rorato Fogaça, Andrea Herrero, Guillermo Martín-Ávila, Yolanda Aladro-Benito, and Joaquin Ordieres-Meré. Enhancing quality in healthcare services. a pss approach in multiple sclerosis. In *Lecture Notes on Data Engineering and Communications Technologies*. 2025.

Charles J. Gish, Javier Villalba-Díez, and Joaquin Ordieres-Meré. *Explainability as an Emergent Property of Brain-Inspired Human Cyber Physical Networks*, page 344–363. Springer Nature Switzerland, 2025.

Carlos García-Castellano Gerbolés, Miguel Gutierrez, Miguel Ortega-Mier, and Joaquín Ordieres-Meré. Exploring the adoption and application of transformer models in manufacturing scheduling. In *Lecture Notes on Data Engineering and Communications Technologies*. 2025.

Amir Farmanesh, Irene Pereda Serrano, Joaquín Ordieres-Meré, Slobodan Bojanic, and Bojan Prlinčević. Improving transparency on energy transportation losses through digitalization technologies. In *2025 29th International Conference on Information Technology (IT)*, 2025.

Amir Farmanesh, Raúl Gutierrez-Sanchis, and Joaquín Ordieres-Meré. Comparison of deep transfer learning against contrastive learning in industrial quality applications for heavily unbalanced data scenarios when data augmentation is limited. *Sensors*, 25(10):3048, 2025. **Q2**; 3.4; Sensors.

- Francisco Espiga-Fernández, Álvaro García-Sánchez, and Joaquín Ordieres-Meré. gymfolio: A reinforcement learning environment for portfolio optimization in python. *SoftwareX*, 30:102106, 2025. **Q2**; 2.4; Computer Science, Software Engineering.
- Alejandro Álvarez Castro and Joaquín Ordieres-Meré. Multimodal proposal for an ai-based tool to increase cross-assessment of messages, 2025.
- Antonia Pacios Alvarez, Torben Lenau, Lilie Boizumault, and Joaquín Ordieres-Meré. Reimagining higher education: Leveraging ai and biomimicry to enhance creativity and complex problem-solving skills in civil engineering and beyond. In *INTED Proceedings*, 2025.
- Yolanda Aladro, Guillermo Martín-Ávila, Alba Vieira-Campos, Sergio Labrador-Marcos, Xiaochen Zheng, Alejandro Méndez-Burgos, Israel Thuissard, Cristina Andreu-Vázquez, and Joaquin Ordieres-Meré. Assessment of overall essential tremor severity by monitoring with a wearable inertial sensor in real-life settings: an exploratory study. *Heliyon*, 11(13):e43707, August 2025.
- Joaquín Ordieres-Meré, Antonio Bello-García, Ahmad Rajabi, and Jens Brandenburger. Human impact in complex classification of steel coils. In *Lecture Notes in Networks and Systems*. 2024.
- Joaquin Ordieres-Meré and Miguel Ángel Ortega-Mier. Challenges in industry 5.0: Human behavior integration. In *Lecture Notes in Mechanical Engineering*. 2024.
- Joaquin Ordieres-Meré, Ahmad Rahabi, Daniel Falkowski, Nikolaos Matskanis, Jens Brandenburger, and Carlos García-Castellano Gerbolés. Smart workflows for advanced quality assessment in steel industry: Benefits of i5.0. In *Lecture Notes in Mechanical Engineering*. 2024.
- P. Mas-Buitrago, A. González-Marcos, E. Solano, V. M. Passegger, M. Cortés-Contreras, J. Ordieres-Meré, A. Bello-García, J. A. Caballero, A. Schweitzer, H. M. Taberner, D. Montes, and C. Cifuentes. Using autoencoders and deep transfer learning to determine the stellar parameters of 286 carmenes m dwarfs. *Astronomy & Astrophysics*, 687:A205, July 2024. **Q1**; 5.4; *Astronomy & Astrophysics* (2023).
- Mercedes Grijalvo, Joaquín Ordieres-Meré, Javier Villalba-Díez, Yolanda Aladro-Benito, Guillermo Martín-Ávila, Arancha Simon-Hurtado, and Carlos Vivaracho-Pascual. Sufficiency for pss tracking gait disorders in multiple sclerosis: A managerial perspective. *Heliyon*, 10(9):e30001, May 2024. **Q1**; 3.4; *Multidisciplinary Sciences* (2023).
- José N. Franco-Riquelme, Alberto Tejero, Luis Rubalcaba, and Joaquín B. Ordieres-Meré. Measuring the connection between open innovation, dynamic capabilities, and linkedin in tech-based companies. *Journal of the Knowledge Economy*, 2024.
- Francisco Espiga-Fernández, Álvaro García-Sánchez, and Joaquín Ordieres-Meré. A systematic approach to portfolio optimization: A comparative study of reinforcement learning agents, market signals, and investment horizons. *Algorithms*, 2024. **Q2**; 1.8; Computer Science, Theory & Methods.
- Xiaochen Zheng, Shengjing Sun, Joaquín Ordieres-Meré, Jinzhi Lu, and Dimitris Kiritsis. Applying distributed ledger technology to facilitate iiot data exchange: An approach based on iota tangle. In *Proceedings of the I-ESA Conferences*, 2023.
- Tomas Rudolf Sterkenburgh, Javier Villalba-Díez, and Joaquín Ordieres-Meré. Socio-technical analysis of the benefits and barriers to using a digital representation of the global horse population in equine veterinary medicine. *Animals*, 13(22):3557, November 2023. **Q1**; 2.7; *Agriculture, Dairy & Animal Science*.
- Joaquín Ordieres-Meré, Miguel Gutierrez, and Javier Villalba-Díez. Toward the industry 5.0 paradigm: Increasing value creation through the robust integration of humans and machines. *Computers in Industry*, 150:103947, September 2023. **Q1**; 8.2; Computer Science, Interdisciplinary Applications.
- G. Morales-Alonso, I. Pablo-Lerchundi, A. Ramírez-Portilla, and J. Ordieres-Meré. Entrepreneurial intention through the lens of the pareto rule: A cross-country study. *Cogent Business & Management*, 10(3), November 2023. **Q2**; 3.0; *Business*.

A Bello-García, VM Passegger, J Ordieres-Meré, A Schweitzer, JA Caballero, A González-Marcos, I Ribas, A Reiners, A Quirrenbach, PJ Amado, et al. The carmenes search for exoplanets around m dwarfs a deep learning approach to determine fundamental parameters of target stars. *ASTRONOMY & ASTROPHYSICS*, 673, 2023. **Q1**; 5.4; Astronomy & Astrophysics.

Javier Villalba-Díez, Joaquín Ordieres-Meré, Ana González-Marcos, and Aintzane Soto Larzabal. Quantum deep learning for steel industry computer vision quality control. volume 55, pages 337–342, 2022. 14th IFAC Workshop on Intelligent Manufacturing Systems IMS 2022.

Javier Villalba-Diez, Ana González-Marcos, and Joaquín Ordieres-Meré. Quantum cyber-physical systems. *Scientific Reports*, 12(1), may 2022. **Q1**; 3.8; Multidisciplinary Sciences.

Antonio Sánchez-Herguedas, Angel Mena-Nieto, Francisco Rodrigo-Mu noz, Javier Villalba-Díez, and Joaquín Ordieres-Meré. Optimisation of maintenance policies based on right-censored failure data using a semi-markovian approach. *Sensors*, 22(4):1432, 2022. **Q2**; 3.9; Engineering, Electrical & Electronic.

VM Passegger, A Bello-García, J Ordieres-Meré, A Antoniadis-Karnavas, E Marfil, C Duque-Arribas, PJ Amado, E Delgado-Mena, D Montes, B Rojas-Ayala, et al. Metallicities in m dwarfs: Investigating different determination techniques. *Astronomy & Astrophysics*, 658:A194, 2022. **Q1**; 6.5; Astronomy & Astrophysics.

Joaquín Ordieres-Meré, Andreas Wolff, Antonia Pacios-Álvarez, and Antonio Bello-García. Cybersecurity challenges in downstream steel production processes. In *IFAC-PapersOnLine*, 2022.

Joaquín Ordieres-Meré, Asier Arteaga, Nikolaos Matskanis, Andreas Wolff, and Vincenzo Iannino. Process supervision of long products hot rolling mill. attack or failure identification. volume 55, pages 72–77, 2022. 14th IFAC Workshop on Intelligent Manufacturing Systems IMS 2022.

J. Ordieres-Meré, G. Morales-Alonso, M. Gutiérrez, G. Mossa, J. Lundquist, G. Mummolo, and J. Oleśków-Szłapka. Asynchronous microlearning experience in industrial management master course. In *INTED2022 Proceedings*, 16th International Technology, Education and Development Conference, pages 8598–8603. IATED, 7-8 March, 2022 2022.

Marcus J. Neuer, Moritz Loos, Francesca Marchiori, Valentina Colla, Stefano Dettori, Joaquin Ordieres, and Andreas Wolff. From controlling single processes to the complex automation of process chains by artificially intelligent control systems: the control in steel project. In *IFAC-PapersOnLine*, 2022.

G. Mossa, S. Digiesi, F. Facchini, J. Lundquist, G. Mummolo, J. Oleśków-Szłapka, and J. Ordieres-Meré. The body of knowledge for higher education in industrial engineering and management: Experiences from the erasmus+ ie3 project. In *INTED2022 Proceedings*, 16th International Technology, Education and Development Conference, pages 7973–7982. IATED, 7-8 March, 2022 2022.

P. Mas-Buitrago, E. Solano, A. González-Marcos, C. Rodrigo, E. L. Martín, J. A. Caballero, F. Jiménez-Esteban, P. Cruz, A. Ederoclite, J. Ordieres-Meré, A. Bello-García, R. A. Dupke, A. J. Cenarro, D. Cristóbal-Hornillos, C. Hernández-Monteaudo, C. López-Sanjuan, A. Marín-Franch, M. Moles, J. Varela, H. Vázquez Ramió, J. Alcaniz, L. Sodr , and R. E. Angulo. J-plus: Discovery and characterisation of ultracool dwarfs using virtual observatory tools. *Astronomy & Astrophysics*, 2022.

Guillermo Mart n- vila, Alba Vieira-Campos, Sergio Labrador-Marcos, Xiaochen Zheng, Alejandro M endez-Burgos, Israel Thuissard, Cristina Andreu-V zquez, Joaqu n Ordieres-Mer , and Yolanda Aladro. Patients' self-assessment of essential tremor severity by a validated scale: A useful tool in telemedicine? *Parkinsonism & Related Disorders*, 96:22–28, 2022. **Q2**; 4.1; Clinical Neurology.

Yang Liu, Qingguo Zeng, Bobo Li, Lili Ma, and Joaqu n Ordieres-Mer . Anticipating financial distress of high-tech startups in the european union: A machine learning approach for imbalanced samples. *Journal of Forecasting*, 2022.

Vincenzo Iannino, Valentina Colla, Alessandro Maddaloni, Jens Brandenburger, Ahmad Rajabi, Andreas Wolff, Joaqu n Ordieres, Miguel Gutierrez, Erwin Sirovnik, Dirk Mueller, and Christoph Schirm. A hybrid approach for improving the flexibility of production scheduling in flat steel industry. *Integrated Computer-Aided Engineering*, 29(4):367–387, aug 2022. **Q1**; 6.5; Computer Science, Artificial Intelligence.

Javier Villalba-Diez and Joaquín Ordieres-Meré. Human-machine integration in processes within industry 4.0 management. *Sensors*, 2021. **Q2**; 3.847; Sensors.

VM Passegger, A Bello-Garcia, J Ordieres-Mere, A Antoniadis-Karnavas, E Marfil, C Duque-Arribas, PJ Amado, E Delgado-Mena, D Montes, B Rojas-Ayala, et al. Vizier online data catalog: Stellar parameters of 18 m dwarfs (passegger+, 2022), 2021.

Antonia Pacios Álvarez, Joaquín Ordieres-Meré, Ángel Paris Loreiro, and Leticia de Marcos. Opportunities in airport pavement management: Integration of bim, the iot and dlt. *Journal of Air Transport Management*, 90:101941, 2021. **Q2**; 2.811; Transportation.

Joaquín Ordieres-Meré, Gustavo Morales Alonso, and Miguel Gutiérrez. Competence oriented and knowledge graph based approach for industrial engineering and management education in the next future. In *INTED Proceedings*, 2021.

Vincenzo Iannino, Valentina Colla, Alessandro Maddaloni, Jens Brandenburger, Ahmad Rajabi, Andreas Wolff, Joaquin Ordieres, Miguel Gutierrez, Erwin Sirovnik, Dirk Mueller, et al. Improving the flexibility of production scheduling in flat steel production through standard and ai-based approaches: Challenges and perspectives. In *IFIP International Conference on Artificial Intelligence Applications and Innovations*, pages 619–632. Springer, 2021.

Mercedes Grijalvo Martín, Antonia Pacios Álvarez, Joaquín Ordieres-Meré, Javier Villalba-Diez, and Gustavo Morales-Alonso. New business models from prescriptive maintenance strategies aligned with sustainable development goals. *Sustainability*, 13(1):216, 2021. **Q2**; 3.251; Environmental Sciences.

José Nicanor Franco-Riquelme and Luis Rubalcaba. Innovation and sdfs through social media analysis: Messages from fintech firms. *Journal of Open Innovation: Technology, Market, and Complexity*, 2021.

Javier Villalba-Diez, Martin Molina, Joaquín Ordieres-Meré, Shengjing Sun, Daniel Schmidt, and Wanja Wellbrock. Geometric deep lean learning: Deep learning in industry 4.0 cyber-physical complex networks. *Sensors*, 2020. **Q2**; 3.576; Sensors.

Shengjing Sun, Xiaochen Zheng, Javier Villalba-Diez, and Joaquín Ordieres-Meré. Data handling in industry 4.0: Interoperability based on distributed ledger technology. *Sensors*, 20(11):3046, 2020. **Q1**; 3.275; Instruments & Instrumentation.

Shengjing Sun, Xiaochen Zheng, Bing Gong, Jorge García Paredes, and Joaquín Ordieres-Meré. Healthy operator 4.0: A human cyber-physical system architecture for smart workplaces. *Sensors*, 2020. **Q2**; 3.576; Sensors.

Daniel Schmidt, Javier Villalba Díez, Joaquín Ordieres-Meré, Roman Gevers, Joerg Schwiep, and Martin Molina. Industry 4.0 lean shopfloor management characterization using eeg sensors and deep learning. *Sensors*, 20(10):2860, 2020. **Q1**; 3.275; Instruments & Instrumentation.

Daniel Schmidt, Roman Gevers, Jörg Schwiep, Joaquín Ordieres-Meré, and Javier Villalba-Diez. Deep learning enabling quality improvement in rotogravure manufacturing. In *Procedia Manufacturing*, 2020.

Cristina Ramírez-Aragón, Joaquín Ordieres-Meré, Fernando Alba-Elías, and Ana González-Marcos. Numerical modeling for simulation of compaction of refractory materials for secondary steelmaking. *Materials*, 13(1):224, 2020. **Q2**; 3.057; Materials Science, Multidisciplinary.

Cristina Ramírez-Aragón, Fernando Alba-Elías, Ana González-Marcos, and Joaquín Ordieres-Meré. Improving the feeder shoe design of an eccentric tablet press machine. *Powder Technology*, 372:542 – 562, 2020. **Q1**; 4.142; Engineering, Chemical.

V. M. Passegger, A. Bello-García, J. Ordieres-Meré, J. A. Caballero, A. Schweitzer, A. González-Marcos, I. Ribas, A. Reiners, A. Quirrenbach, P. J. Amado, M. Azzaro, F. F. Bauer, V. J. S. Béjar, M. Cortés-Contreras, S. Dreizler, A. P. Hatzes, Th. Henning, S. V. Jeffers, A. Kaminski, M. Kürster, M. Lafarga, E. Marfil, D. Montes, J. C. Morales, E. Nagel, L. M. Sarro, E. Solano, H. M. Taberner, and M. Zechmeister. The carmenes search for exoplanets around m dwarfs. *Astronomy & Astrophysics*, 2020.

- A. Pacios Alvarez, A. Paris, F. Alba-Elías, A. González-Marcos, J.E. Vicuña Martínez, and J. Ordieres-Meré. Bim and spanish higher education. In *INTED2020 Proceedings*, 14th International Technology, Education and Development Conference, pages 634–637. IATED, 2-4 March, 2020 2020.
- Joaquín Ordieres-Meré, Tomás Prieto Remón, and Jesús Rubio. Digitalization: An opportunity for contributing to sustainability from knowledge creation. *Sustainability*, 12(4):1460, 2020. **Q2**; 2.468; Environmental Science.
- J. Ordieres-Meré, J. Ouarzazi, B. El Johra, and B. Gong. Predicting ground level ozone in marrakesh by machine-learning techniques. *JOURNAL OF ENVIRONMENTAL INFORMATICS*, 36(2), 2020. **Q1**; 4.604; Environmental Science.
- J. Oleśków Szłapka, M. Ortega-Mier, J. Ordieres-Meré, F. Facchini, G. Mossa, and J. Lundquist. Innovative methodologies and digital tools for higher education in industrial engineering and management. In *INTED2020 Proceedings*, 14th International Technology, Education and Development Conference, pages 1019–1027. IATED, 2-4 March, 2020 2020.
- Yang Liu, Hao Fei, Qingguo Zeng, Bobo Li, Lili Ma, Donghong Ji, and Joaquín Ordieres Meré. Electronic word-of-mouth effects on studio performance leveraging attention-based model. *Neural Computing and Applications*, pages 1–22, 2020. **Q1**; 4.774; Computer Science, Artificial Intelligence.
- Ermal Hetemi, Joaquin Ordieres-Meré, and Cali Nuur. An institutional approach to digitalization in sustainability-oriented infrastructure projects: The limits of the building information model. *Sustainability*, 2020.
- Ermal Hetemi, Anna Jerbrant, and Joaquin Ordieres Mere. Exploring the emergence of lock-in in large-scale projects: A process view. *International Journal of Project Management*, 38(1):47–63, 2020. **Q1**; 6.615; Management.
- Ermal Hetemi, Hans Georg Gemünden, and Joaquín Ordieres Meré. Embeddedness and actors' behaviors in large-scale project life cycle: Lessons learned from a high-speed rail project in spain. *Journal of Management in Engineering*, 36(6):05020014, 2020. **Q1**; 2.867; Civil Engineering.
- Sara Antomarioni, Maurizio Bevilacqua, Filippo Emanuele Ciarapica, Ilaria De Sanctis, and Joaquín Ordieres-Meré. Lean projects' evaluation: the perceived level of success and barriers. *Total Quality Management & Business Excellence*, pages 1–25, 2020. **Q2**; 2.922; Management.
- Miguel Ángel Antón, Joaquín Ordieres-Meré, Unai Saralegui, and Shengjing Sun. Non-invasive ambient intelligence in real life: Dealing with noisy patterns to help older people. *Sensors*, 19(14):3113, 2019. **Q1**; 3.275; Instruments & Instrumentation.
- Xiaochen Zheng, Alba Vieira, Sergio Labrador Marcos, Yolanda Aladro, and Joaquín Ordieres-Meré. Activity-aware essential tremor evaluation using deep learning method based on acceleration data. *Parkinsonism & related disorders*, 58:17–22, 2019. **Q1**; 3.926; Clinical Neurology.
- Xiaochen Zheng, Shengjing Sun, Raghava Rao Mukkamala, Ravi Vatrapu, and Joaquín Ordieres-Meré. Accelerating health data sharing: A solution based on the internet of things and distributed ledger technologies. *Journal of medical Internet research*, 21(6):e13583, 2019. **Q1**; 5.034; Medical Informatics.
- Javier Villalba-Diez, Daniel Schmidt, Roman Gevers, Joaquín Ordieres-Meré, Martin Buchwitz, and Wanja Wellbrock. Deep learning for industrial computer vision quality control in the printing industry 4.0. *Sensors*, 19(18):3987, 2019. **Q1**; 3.275; Instruments & Instrumentation.
- Shengjing Sun, Xiaochen Zheng, Javier Villalba-Díez, and Joaquín Ordieres-Meré. Indoor air-quality data-monitoring system: Long-term monitoring benefits. *Sensors*, 19(19):4157, 2019. **Q1**; 3.275; Instruments & Instrumentation.
- S. Sun, X. Zheng, J. Ordieres-Meré, I. Georgescu, and E. Minvielle. Next frontier for health systems: Learning from patient's behavior and fuzzy factors identification. In *R&D Management Conference*, 2019.

Joaquín Ordieres-Meré, Javier Villalba-Díez, and Xiaochen Zheng. Challenges and opportunities for publishing iiot data in manufacturing as a service business. In *Procedia Manufacturing*, 2019.

Yang Liu, Qingguo Zeng, Joaquín Ordieres Meré, and Huanrui Yang. Anticipating stock market of the renowned companies: A knowledge graph approach. *Complexity*, 2019, 2019. **Q2**; 2.462; Mathematics, Interdisciplinary Applications.

Ana González-Marcos, Rubén Olarte-Valentín, Joaquín Ordieres-Meré, and Fernando Alba-Elías. Predicting students' performance in a virtual experience for project management learning. In *Proceedings of the 11th International Conference on Computer Supported Education*, 2019.

Bing Gong, Xiaochen Zheng, Qing Guo, and Joaquín Ordieres-Meré. Discovering the patterns of energy consumption, gdp, and co2 emissions in china using the cluster method. *Energy*, 2019.

Jose N Franco-Riquelme, Antonio Bello-Garcia, and Joaquín Ordieres-Meré. Indicator proposal for measuring regional political support for the electoral process on twitter: The case of spain's 2015 and 2016 general elections. *IEEE Access*, 7:62545–62560, 2019. **Q1**; 3.745; Computer Systems, Information Systems.

Francesco Boenzi, Joaquín Ordieres-Meré, and Raffaello lavagnilio. Life cycle assessment comparison of two refractory brick product systems for ladle lining in secondary steelmaking. *Sustainability*, 11(5):1295, 2019. **Q2**; 2.468; Environmental Science.

Keith April G Arano, Shengjing Sun, Joaquin Ordieres-Mere, et al. The use of the internet of things for estimating personal pollution exposure. *International journal of environmental research and public health*, 16(17):3130, 2019. **Q2**; 2.468; Environmental Sciences.

Sara Antomarioni, Filippo Emanuele Ciarapica, Ilaria De Sanctis, and Joaquin Ordieres-Meré. The influence of cultural dimensions on lean projects success and barriers. *International Journal of Management and Decision Making*, 18(2):151–182, 2019.

Xiaochen Zheng, Meiqing Wang, and Joaquín Ordieres-Meré. Comparison of data preprocessing approaches for applying deep learning to human activity recognition in the context of industry 4.0. *Sensors*, 2018. **Q2**; 3.3; Sensors.

Xiaochen Zheng, Raghava Rao Mukkamala, Ravi Vatrapu, and Joaquín Ordieres-Meré. Blockchain-based personal health data sharing system using cloud storage. In *2018 IEEE 20th International Conference on e-Health Networking, Applications and Services (Healthcom)*, 2018.

Antonia Pacios Vázquez, Silvia Serrano Calle, and Joaquín Ordieres Meré. Influence of class size and methodology on learning experience = influencia del tamaño de clase y de la metodología en el aprendizaje. *Advances in Building Education*, 2018.

LM Sarro, J Ordieres-Meré, A Bello-García, A González-Marcos, and E Solano. Estimates of the atmospheric parameters of m-type stars: a machine-learning perspective. *Monthly Notices of the Royal Astronomical Society*, 476(1):1120–1139, 2018. **Q1**; 5.321; Astronomy & Astrophysics.

Ilaria De Sanctis, Joaquín Ordieres Meré, and Filippo Emanuele Ciarapica. Resilience for lean organisational network. *International Journal of Production Research*, 0(0):1–20, 2018. **Q1**; 3.199; Operational Research & Management Sciences.

Victor Roman and Joaquín Ordieres-Meré. [wip] iot blockchain technologies for smart sensors based on raspberry pi. In *2018 IEEE 11th Conference on Service-Oriented Computing and Applications (SOCA)*, 2018.

Cristina Ramírez-Aragón, Joaquín Ordieres-Meré, Fernando Alba-Elías, and Ana González-Marcos. Comparison of cohesive models in edem and liggghts for simulating powder compaction. *Materials*, 11(11), 2018. **Q2**; 3.057; Materials Science, Multidisciplinary.

Cristina Ramírez-Aragón, Fernando Alba-Elías, Ana González-Marcos, and Joaquín Ordieres-Meré. Segregation in the tank of a rotary tablet press machine using experimental and discrete element methods. *Powder Technology*, 328:452 – 469, 2018. **Q1**; 3.413; Engineering, Chemical.

- Ana González-Marcos, Joaquín Ordieres-Meré, and Fernando Alba-Elías. Data mining to identify project management strategies in learning environments. In *Encyclopedia of Information Science and Technology, Fourth Edition*. 2018.
- Ana González-Marcos, Fermín Navaridas-Nalda, Joaquín Ordieres-Meré, and Fernando Alba-Elías. A model for competence e-assessment and feedback in higher education. *Advances in Higher Education and Professional Development*, 2018.
- Ana González-Marcos, Fernando Alba-Elías, and Joaquín Ordieres-Meré. Computer-assisted method based on continuous feedback to improve the academic achievements of engineering students. *Communications in Computer and Information Science*, 2018.
- Victoria González, Ermal Hetemi, Marian Bosch-Rekveltdt, and Joaquín B. Ordieres Meré. Program and project management articulation: evidences from the infrastructure sector. In *International Seminar on Project Management*, 2018.
- Ilaria DeSanctis, Joaquin Bienvenido Ordieres Mere, Maurizio Bevilacqua, and Filippo Emanuele Ciarapica. The moderating effects of corporate and national factors on lean projects barriers: a cross-national study. *Production Planning & Control*, 2018.
- Xiaochen Zheng, Alba Vieira Campos, Joaquín Ordieres-Meré, Jose Balseiro, Sergio Labrador Marcos, and Yolanda Aladro. Continuous monitoring of essential tremor using a portable system based on smartwatch. *Frontiers in Neurology*, 8:96–105, 2017. **Q2**; 3.508; Neurosciences.
- Javier Villalba-Diez, Ilaria De Sanctis, Joaquín Ordieres-Meré, and Filippo Emanuele Ciarapica. Lean structural network resilience. In Chantal Cherifi, Hocine Cherifi, Márton Karsai, and Mirco Musolesi, editors, *Complex Networks & Their Applications VI*, pages 609–619, Cham, 2017. Springer International Publishing.
- L. Sánchez, Javier Alfonso-Cendón, Tiago Oliveira, Joaquín B. Ordieres-Meré, Manuel Castejón Limas, and Paulo Novais. Information system for image classification based on frequency curve proximity. *Information Systems*, 64:12 – 21, 2017. **Q2**; 2.551; Computer Systems, Information Systems.
- Fadi Shrouf, Bing Gong, and Joaquin Ordieres-Meré. Multi-level awareness of energy used in production processes. *Journal of Cleaner Production*, 2017.
- Unai Saralegui, Miguel Ángel Antón, and Joaquín Ordieres-Meré. An iot-based system that aids learning from human behavior: A potential application for the care of the elderly. In *MATEC Web of Conferences*, 2017.
- Beatriz Leal De Rivas, José-Luis Vivancos, Joaquín Ordieres-Meré, and Salvador F. Capuz-Rizo. Determination of the total acid number (tan) of used mineral oils in aviation engines by ftir using regression models. *Chemometrics and Intelligent Laboratory Systems*, 160(Supplement C):32 – 39, 2017. **Q1**; 2.701; Mathematics, Interdisciplinary Applications.
- Ermal Hetemi, Joaquin Ordieres Mere, Cali Nuur, and Mats Engwall. Exploring mechanisms underlying lock-in in large infrastructure projects: A management perspective. In *Procedia Computer Science*, 2017.
- González-Marcos, A., Sarro, L. M., Ordieres-Meré, J., and Bello-García, A. Evaluation of data compression techniques for the inference of stellar atmospheric parameters from high-resolution spectra. *mnras*, 465:4556–4571, mar 2017. **Q1**; 5.194; Astronomy & Astrophysics.
- Ana González-Marcos, Fernando Alba-Elías, and Joaquín B. Ordieres Meré. An online assessment and feedback approach in project management learning. In *CSEDU*, 2017.
- Bing Gong and Joaquín Ordieres-Meré. Reconfiguring existing pollutant monitoring stations by increasing the value of the gathered information. *Environmental Modelling & Software*, 2017.
- Edelmira Galvez, Joaquin Ordieres, and Salvador Capuz-Rizo. On uncertainty and sensitivity analyses in project duration based on dependency information. *The Journal of Modern Project Management*, 4(3), 2017.

Edelmira Galvez, Salvador Capuz-Rizo, and Joaquín Ordieres-Meré. A method for identification of critical scheduling decisions. *The Journal of Modern Project Management*, 5(1), 2017.

José N. Franco-Riquelme, Isaac Lemus-Aguilar, and Joaquín B. Ordieres Meré. Kibs innovative entrepreneurship networks on social media. *CoRR*, abs/1711.11403, 2017.

Isaac Lemus Aguilar, José Nicanor Franco Riquelme, Joaquín Bienvenido Ordieres Meré, and Antonio Hidalgo Nuchera. Innovation perception of knowledge-intensive business services in the twittersphere. In *Digitalization and innovation: designing the organization of the future*, volume 18th, pages 387–399, Potsdam, Germany, Septiembre 2017. CINet.

Javier Villalba-Díez, Joaquín Ordieres-Meré, and Susana Rubio-Valdehita. The lean brain theory. brain-like lean manufacturing systems. In *Procedia CIRP*, 2016.

Javier Villalba-Diez and Joaquín B. Ordieres-Meré. Strategic lean organizational design: Towards lean world-small world configurations through discrete dynamic organizational motifs. *Mathematical Problems in Engineering*, 2016.

Javier Villalba-Diez, Joaquin Ordieres-Meré, and Susana Rubio-Valdehita. Lean learning patterns. (cpd)na vs. kata. In *Procedia CIRP*, 2016.

Pablo Jiménez, Javier Villalba Diez, and Joaquin Ordieres-Mere. Hoshin kanri visualization with neo4j. empowering leaders to operationalize lean structural networks. In *Procedia CIRP*, 2016.

Ana González-Marcos, Fernando Alba-Elías, Fermín Navaridas-Nalda, and Joaquín Ordieres-Meré. Student evaluation of a virtual experience for project management learning: An empirical study for learning improvement. *Computers & Education*, 2016.

Ana González-Marcos, Fernando Alba-Elías, and Joaquín Ordieres-Meré. An analytical method for measuring competence in project management. *British Journal of Educational Technology*, 47:1324–1339, 2016. **Q1**; 2.410; Education & Educational Research.

A. González-Marcos, F. Alba-Elías, J. Ordieres-Meré, J. Alfonso-Cendón, and M. Castejón-Límas. Learning project management skills in engineering through a transversal coordination model. *International Journal of Engineering Education*, 32(2):894–904, 2016. **Q4**; 4.404; Computer Science, Interdisciplinary Applications.

Bing Gong and Joaquín Ordieres-Meré. Prediction of daily maximum ozone threshold exceedances by preprocessing and ensemble artificial intelligence techniques: Case study of hong kong. *Environmental Modelling & Software*, 84:290–303, 2016. **Q1**; 4.404; Computer Science, Interdisciplinary Applications.

Gaia Collaboration, Prusti, T., de Bruijne, J. H. J., Brown, A. G. A., Vallenari, A., Babusiaux, C., Bailer-Jones, C. A. L., Ordieres-Meré, J., and Others. The gaia mission. *A&A*, 595:A1, 2016. **Q1**; 5.014; Astronomy & Astrophysics.

Anthony GA Brown, A Vallenari, T Prusti, JHJ De Bruijne, F Mignard, R Drimmel, C Babusiaux, CAL Bailer-Jones, U Bastian, M Biermann, J. Ordieres-Meré, et al. Gaia data release 1-summary of the astrometric, photometric, and survey properties. *Astronomy & Astrophysics*, 595:A2, 2016. **Q1**; 5.651; Astronomy & Astrophysics.

X. Zheng and J. Ordieres-Meré. Detection and analysis of tremor using a system based on smart device and nosql database. In *Industrial Engineering and Systems Management (IESM), 2015 International Conference on*, pages 242–248, Oct 2015.

Javier Villalba-Diez, Joaquin Ordieres-Meré, Heiko Chudzick, and Paloma López-Rojo. Nemawashi: Attaining value stream alignment within complex organizational networks, 2015.

Ana González-Marcos, Fernando Alba-Elías, Joaquín Ordieres-Meré, and Fermín Navaridas-Nalda. Competence assessment framework for project management learners and practitioners. *Communications in Computer and Information Science*, 2015.

- B. Gong, J. Ordieres-Meré, and C.B. Cabrera. Prediction models for ozone in metropolitan area of Mexico City based on artificial intelligence techniques. *International Journal of Information and Decision Sciences*, 7(2):115–139, 2015.
- Edelmira Delfina Galvez, Joaquín Bienvenido Ordieres, and Salvador Fernando Capuz-Rizo. Evaluation of project duration uncertainty using the dependency structure matrix and Monte Carlo simulations. *Revista de la Construcción. Journal of Construction*, 14(2):72–79, 2015.
- Edelmira Ahumada Galvez, Joaquín Ordieres-Meré, and Salvador F Capuz-Rizo. Analysis of project duration uncertainty using global sensitivity analysis. *The Journal of Modern Project Management*, 2(3), 2015.
- Javier Villalba Diez, Joaquín Ordieres-Meré, and Gottfried Nuber. The hoshin kanri tree. cross-plant lean shopfloor management. In *Procedia CIRP*, 2015.
- Fadi Shrouf, Joaquín Ordieres-Meré, Alvaro García-Sánchez, and Miguel Ortega-Mier. Optimizing the production scheduling of a single machine to minimize total energy consumption costs. *Journal of Cleaner Production*, 2014.
- F. Shrouf, J. Ordieres, and G. Miragliotta. Smart factories in industry 4.0: A review of the concept and of energy management approached in production based on the internet of things paradigm. In *2014 IEEE International Conference on Industrial Engineering and Engineering Management*, 2014.
- Rodolfo Múgica-Vidal, Fernando Alba-Elías, Elisa Sainz-García, and Joaquín Ordieres-Meré. Atmospheric plasma-polymerization of hydrophobic and wear-resistant coatings on glass substrates. *Surface and Coatings Technology*, 2014.
- Joaquín Bienvenido Ordieres Meré. Bigdata e iot: claves del modelo de negocio para la empresa industrial del siglo XXI. *Economía industrial*, (392):113–122, 2014.
- A. González-Marcos, J. Ordieres-Meré, F. Alba-Elías, F. J. Martínez de Pisón, and M. Castejón-Limas. Advanced predictive system using artificial intelligence for cleaning of steel coils. *Ironmaking & Steelmaking*, 41(4):262–269, 2014. **Q3**; 0.710; Metalurgy & Metallurgical Engineering.
- Javier Alfonso-Cendón, Manuel Castejón Limas, Joaquín B. Ordieres Meré, and Juan Pavón. Insights into the prevalence of software project defects. *The Scientific World Journal*, 2014.
- Javier Alfonso-Cendón, Manuel Castejón Limas, Joaquín B. Ordieres Meré, and Juan Pavón. Insights into the prevalence of software project defects. *The Scientific World Journal*, 2014:5, 2014.
- F. Alba-Elías, A. González-Marcos, and J. Ordieres-Meré. An active project management framework for professional skills development. *International Journal of Engineering Education*, 30(5):1242–1253, 2014. **Q3**; 0.582; Engineering, Multidisciplinary.
- Á. Uruburu, E. Ponce-Cueto, J.R. Cobo-Benita, and J. Ordieres-Meré. The new challenges of end-of-life tyres management systems: A Spanish case study. *Waste Management*, 33(3):679–688, 2013.
- L. M. Sarro, J. Debusscher, C. Neiner, A. Bello-García, A. González-Marcos, B. Prendes-Gero, J. Ordieres, G. León, C. Aerts, and B. de Batz. Improved variability classification of coronagraph targets with giraffe spectra. *Astronomy & Astrophysics*, 2013.
- J. Ordieres-Meré, A. González-Marcos, F. Alba-Elías, and C. Menéndez-Fernández. Advanced predictive quality control strategy involving different facilities. *The International Journal of Advanced Manufacturing Technology*, 67(5–8):1247–1258, 2013. **Q2**; 1.779; Automation & Control Systems.
- A. González-Marcos, J. Ordieres-Meré, V. Muñoz-Munilla, and F. Alba-Elías. An intelligent supervision system for open loop controlled processes. *Journal of Intelligent Manufacturing*, 24:15–24, 2013. **Q3**; 1.518; Computer Science, Artificial Intelligence.
- José Antonio Gómez Cristóbal, Joaquín Ordieres Meré, and Manuel María Ruiz de Adana Santiago. Metodología pble como guía del proceso de aprendizaje en ingeniería. primeros pasos en la ur. *Contextos Educativos. Revista de Educación*, 2013.

- Fernando Alba-Elías, Elisa Sainz-García, Ana González-Marcos, and Joaquín Ordieres-Meré. Tribological behavior of plasma-polymerized aminopropyltriethoxysilane films deposited on thermoplastic elastomers substrates. *Thin Solid Films*, 2013. **Q2**; 1.867; Material Science.
- F. Alba-Elías, A. González-Marcos, and J. Ordieres-Meré. An ict based project management learning framework. In *EUROCON, 2013 IEEE*, pages 300–306, 2013.
- J. Ordieres Meré, V. Muñoz Munilla, A. Bello García, and A. González Marcos. A simulation method to estimate closing forces in car-sealing rubber elements. *International Journal of Vehicle Design*, 2012.
- Edelmira D Gálvez, Salvador F Capuz-Rizo, and Joaquin B Ordieres. Estudio de la incertidumbre en la programación de actividades usando la matriz de estructura dependiente. *Información tecnológica*, 2012.
- A. Pacios Álvarez, J.R. Cobo Benita, J.M. Vargas Funes, and J.B. Ordieres Meré. Enhancing skills in solving open-ended problems using game-based exercises. *World Transactions on Engineering and Technology Education*, 9(4):246–252, 2011.
- A. Pernia, FJ Martínez de Pisón, J. Ordieres, and F. Alba. Realistic modelling and optimisation of steel section cooling process. *Ironmaking & Steelmaking*, 38(1):17–27, 2011. **Q2**; 0.559; Metallurgy & Metallurgical Engineering.
- J.B. Ordieres Meré, A. Gonzalez Marcos, and F. Alba Elias. The use of computers for graduate education in project management. improving the integration to the industry. In *Proceedings of the 2011 International Conference on Fontiers in Education: Computer Science & Computers*. CSREA Press, 2011.
- J.B. Ordieres Meré, F. Alba Elias, A. Gonzalez Marcos, and A. Uruburu Colsa. Educating in project management: an innovative approach. a shared-experience among spanish universities. In *Proceedings of Nordic Academy of Management conference, NFF 2011*. Universidad de Estocolmo, 2011.
- A. Gonzalez-Marcos, F. Alba-Elias, M. Castejon-Limas, and J. Ordieres-Meré. Development of neural network-based models to predict mechanical properties of hot dip galvanised steel coils. *International Journal of Data Mining, Modelling and Management*, 3(4):389–405, 2011.
- E. Crespo, A. Gonzalez-Marcos, F. Alba-Elias, J. Ordieres-Meré, and M. Castejon-Limas. An improved way for evaluating competences: A different approach to project management learning. In *EUROCON-International Conference on Computer as a Tool (EUROCON), 2011 IEEE*, pages 1–4. IEEE, 2011.
- E. Crespo, A. Gonzalez-Marcos, F. Alba-Elias, J. Ordieres-Meré, and M. Castejon-Limas. An improved way for evaluating competences: A different approach to project management learning. In *2011 IEEE EUROCON - International Conference on Computer as a Tool*, 2011.
- E. Crespo, F. Alba Elias, A. Gonzalez Marcos, J.B. Ordieres Meré, and M. Castejon Limas. Project management learning in a collaborative distant learning context-an actual on-going experience. In *Proceedings of the 3rd International Conference on Computer Supported Education*. SciTePress, 2011.
- A. Uruburu Colsa, A. Gonzalez Marcos, F. Alba Elias, and J.B. Ordieres Meré. Competence monitoring in project teams by using web based portfolio management systems. In *Proceedings of Research in Engineering Education Symposium 2011*. REES, 2011.
- M. Castejón-Limas, J. Ordieres-Meré, A. González-Marcos, and V. González-Castro. Effort estimates through project complexity. *Annals of Operations Research*, 186(1):395–406, 2011. **Q3**; 0.840; Operations Research & Management Science.
- F. Alba-Elías, J. Ordieres-Meré, and A. González-Marcos. Deposition of thin-films on epdm substrate with a plasma-polymerized coating. *Surface and Coatings Technology*, 206(2):234–242, 2011. **Q2**; 1.867; Material Science, Coatings & Films.
- A. Pernía, FJ Martínez de Pisón, J. Ordieres, F. Alba, and J. Blanco. Fine tuning straightening process using genetic algorithms and finite element methods. *Ironmaking & Steelmaking*, 37(2):119–125, 2010.

- J. Ordieres-Meré, FJ Martínez de Pisón-Ascacibar, A. González-Marcos, and I. Ortíz-Marcos. Comparison of models created for the prediction of the mechanical properties of galvanized steel coils. *Journal of Intelligent Manufacturing*, 21(4):403–421, 2010.
- J.B. Ordieres Meré, I. Ortiz Marcos, J.R. Cobo Benita, and A. Uruburu Colsa. Forecasting project's evolution. a step forward from the evms. In *Proceedings of the 2th International Construction and Engineering Project Management Workshop, CEPMaW'10*. Universidad de Valladolid, 2010.
- FJ Martínez de Pisón, AV Pernía, A. González, LM López-Ochoa, and JB Ordieres. Optimum model for predicting temperature settings on hot dip galvanising line. *Ironmaking & Steelmaking*, 37(3):187–194, 2010.
- JR Cobo-Benita, J. Ordieres-Meré, I. Ortiz-Marcos, and A. Pacios-Álvarez. Learning by doing in project management: Acquiring skills through a collaborative model. In *Education Engineering (EDUCON), 2010 IEEE*, pages 701–708. IEEE, 2010.
- Javier Alfonso Cendón, Ana González Marcos, Manuel Castejón Limas, and Joaquín Ordieres Meré. A multi-agent data mining system for defect forecasting in a decentralized manufacturing environment. *Advances in Intelligent and Soft Computing*, 2010.
- C.B. Cabrera, J.B.O. Meré, M.C. Limas, and J.J. del Coz Díaz. A data-driven manufacturing support system for rubber extrusion lines. *International Journal of Production Research*, 48(8):2219–2231, 2010.
- Joaquín Ordieres-Meré, Manuel Castejón-Limas, and Ana González-Marcos. Data mining applications in steel industry. In *Encyclopedia of Data Warehousing and Mining, Second Edition*. 2009.
- J. Ordieres-Meré, A. González-Marcos, M. Castejón-Limas, and F.J. Martínez de Pisón. Data mining experiences in steel industry. *Handbook of Research on Machine Learning Applications and Trends: Algorithms, Methods, and Techniques*, 1:427, 2009.
- E. Salazar-Ruiz, JB Ordieres, EP Vergara, and SF Capuz-Rizo. Development and comparative analysis of tropospheric ozone prediction models using linear and artificial intelligence-based models in mexicali, baja california (mexico) and calexico, california (us). *Environmental Modelling & Software*, 23(8):1056–1069, 2008.
- J. Ordieres-Meré, A. Bello-García, V. Muñoz-Munilla, and JJ Del-Coz-Díaz. Finite element analysis of the hyper-elastic contact problem in automotive door sealing. *Journal of Non-Crystalline Solids*, 354(47):5331–5333, 2008.
- A. González-Marcos, J. B. Ordieres-Meré, A. V. Pernía-Espinoza, and V. Torre-Suárez. Desarrollo de un cerrojo artificial para el skin-pass en una línea de acero galvanizado por inmersión en caliente. *Revista de Metalurgia*, 2008.
- J.J. del Coz Díaz, P.J. García Nieto, A. Bello García, J. Guerrero Muñoz, and J. Ordieres Meré. Finite volume modeling of the non-isothermal flow of a non-newtonian fluid in a rubber's extrusion die. *Journal of Non-Crystalline Solids*, 2008.
- JJ del Coz Díaz, PJ García Nieto, J. Ordieres Meré, and A. Bello García. Computer simulation of the laminar nozzle flow of a non-newtonian fluid in a rubber extrusion process by the finite volume method and experimental comparison. *Journal of Non-Crystalline Solids*, 353(8):981–983, 2007.
- FJ Martínez de Pisón, J. Ordieres, A. Pernía, F. Alba, and V. Torre. Reduce of adherence problems in galvanised processes through data mining techniques. *Revista de Metalurgia*, 43(5):325, 2007.
- F. J. Martínez de Pisón, J. Ordieres, A. Pernía, F. Alba, and V. Torre. Reducción de problemas de adherencia en procesos de galvanizado mediante técnicas de minería de datos. *Revista de Metalurgia*, 2007.
- M. Castejón Limas, J. B. Ordieres Meré, F. Alba Elías, and F. J. Martínez de Pisón Ascacibar. Knowledge discovery in rubber extrusion processes. *WSEAS Transactions on Information Science and Applications*, 3(5):915–920, 2006.

- J.B. Ordieres-Meré, F.J. Martínez de Pisón, A. González-Marcos, and A. Pernia-Espinoza. Tao-robust backpropagation learning algorithm. *Neural Networks*, 18(2):191–204, 2005.
- J.B. Ordieres, E.P. Vergara, R.S. Capuz, and R.E. Salazar. Neural network prediction model for fine particulate matter (pm2.5) on the us–mexico border in el paso (texas) and ciudad Juárez (chihuahua). *Environmental Modelling & Software*, 2005.
- J.O. Meré, F.A. Elías, A.G. Marcos, M.C. Limas, and FJ De Pisón Ascacibar. Data mining and simulation processes as useful tools for industrial processes. In *Proceedings of the 5th WSEAS international conference on Simulation, modelling and optimization*, pages 249–255. World Scientific and Engineering Academy and Society (WSEAS), 2005.
- M. A. Martínez, J. Ordieres, J. Botella, R. Sánchez, and R. Parra. Influencia del tamaño del grano en las propiedades mecánicas de los aceros inoxidables austeníticos. *Revista de Metalurgia*, 2005.
- M. Castejón Limas, JB Ordieres Meré, EP Vergara González, and FJ Ascacibar. Discovering unknown patterns in massive databases. In *Congreso Internacional de Ingeniería de Proyectos*. AEIPRO, 2005.
- M. C. Limas, J. B. Ordieres Meré, A. Ciampi, and F. A. Elias. Learning from very large data sets. *WSEAS Transactions on Information Science and Applications*, 2(10):1641–1648, 2005.
- JB Ordieres Meré, A. González Marcos, JA González, and V. Lobato Rubio. Estimation of mechanical properties of steel strip in hot dip galvanising lines. *Ironmaking & steelmaking*, 31(1):43–50, 2004.
- M.C. Limas, J.B. Ordieres Meré, F.J.M. de Pisón Ascacibar, and E.P.V. González. Outlier detection and data cleaning in multivariate non-normal samples: the paella algorithm. *Data Mining and Knowledge Discovery*, 9(2):171–187, 2004.
- J. Ordieres, LM López, A. Bello, and A. Garcia. Intelligent methods helping the design of a manufacturing system for die extrusion rubbers. *International Journal of Computer Integrated Manufacturing*, 16(3):173–180, 2003.
- F. Ortega, C. Menéndez, J. Ordieres, and V. Montequín. Analysis of heat transference in regenerative exchanger of a thermal power plant. *Neural Computing & Applications*, 2000.
- F. Ortega, C. Menéndez, J. Ordieres, and V. Montequín. Analysis of heat transference in regenerative exchanger of a thermal power plant. *Neural Computing & Applications*, 9(3):218–226, 2000.
- Ordieres J. and Ortega F. Importance of parameter selection in classification systems using neural networks. *Computer Aided Chemical Engineering*, 2000.
- J.J del Coz Díaz, J.B Ordieres Mere, F.J Suarez Domínguez, D.Felgueroso Fdez, M.Alvarez Fdez, and Antonio Bello García. Aprendizaje interactivo mediante programa de análisis estructural avanzado. *Journal of Constructional Steel Research*, 1998.
- Meré J. Ordieres, F. Ortega, A. Bello, C. Menendez, and V. Vallina. Operational information system in a power plant. In *Proceedings of the 1997 IEEE International Conference on Systems, Man, and Cybernetics. Part 3 (of 5)*, volume 4, pages 3285–3288. IEEE, 1997.
- AB Garcia and JO Meré. Parameter optimization of influence functions in mining subsidence. *INT J ROCK MECH MIN SCI*, 34(7):1125–1131, 1997.
- C. Menéndez, J.B. Ordieres, and F. Ortega. Importance of information pre-processing in the improvement of neural network results\*. *Expert Systems*, 1996.
- A.B. García, A.M. Díaz, J.B.O. Meré, and C.G. Nicieza. Generalization of the influence function method in mining subsidence. *International Journal Of Surface Mining And Reclamation*, 10(4):195–202, 1996.
- F Ortega, J. B Ordieres, C Menéndez, and C. González Nicieza. Development of a neural-based diagnostic system to control the ropes of mining shifts. *Artificial Neural Nets and Genetic Algorithms*, 1995.

- C. González, J.B. Ordieres Meré, A. Menéndez, and J. Taboada. Optimizing of stripping in a slate bank. *International Journal of Surface Mining, Reclamation and Environment*, 8(1):17–22, 1994.
- C. Menéndez Fernández, JB Ordieres Meré, and F. Ortega Fernández. Comparison between different neural network topologies for non linear classification. In *Congreso Internacional de Ingeniería de Proyectos*. AEIPRO, 1994.
- J. Taboada Castro, M. Garcia Garcia, C. Gonzalez Nicieza, and J. Ordieres Meré. The computer in a roofing slate quarry. *El ordenador en una explotacion a cielo abierto de pizarra de techar*, 18:271–280, 1993.
- AE Vigil, C.G. Nicieza, and JB Meré. Numerical solution of an optimal shape design problem with elastic solids. *Computer methods in applied mechanics and engineering*, 99(2):147–170, 1992.
- C. MENENDEZ FERNANDEZ, J. ORDIERES MERE, and C. GONZALEZ NICIEZA. Modelling of foundation settlement under loading. *INGENIERIA CIVIL (E)*, 85:93–104, 1992.
- C. Moreno Gonzalez and JB Ordieres Meré. An iterative numerical algorithm in plasticity. *Numerical Methods for Non-linear Problems: Proceedings of the International Conference held at Dubrovnik, Yugoslavia, 15th-18th September, 1986*, 3:152, 1986.

### Books and Book chapters.

- Javier Villalba-Diez and Joaquín Ordieres-Meré. *Logistics for Engineers: Automatic Control, Network Science, and Industry 4.0*. CRC Press, 2026.
- Amir Farmanesh, Joaquín Ordieres-Meré, Antonia Pacios Álvarez, and Ángel Paris Loreiro. *New Value Perspective for Value Creation with Social Priceless Assets Through Digital Transformations*, pages 3–23. Springer Nature Switzerland, Cham, 2026.
- Joaquín Ordieres-Meré, Antonio Bello-García, Ahmad Rajabi, and Jens Brandenburger. *Human Impact in Complex Classification of Steel Coils*, page 256–265. Springer Nature Switzerland, 2024.
- Joaquín Ordieres-Meré, Ahmad Rahabi, Daniel Falkowski, Nikolaos Matskanis, Jens Brandenburger, and Carlos García-Castellano Gerbolés. *Smart Workflows for Advanced Quality Assessment in Steel Industry: Benefits of I5.0*, page 57–67. Springer Nature Switzerland, 2024.
- Joaquín Ordieres-Meré and Miguel Ángel Ortega-Mier. *Challenges in Industry 5.0: Human Behavior Integration*, page 183–197. Springer Nature Switzerland, 2024.
- Javier Villalba-Diez and Joaquín Ordieres-Meré, editors. *JIDOKA. Integration of Human and AI within Industry 4.0 Cyber Physical Manufacturing Systems*. MDPI, apr 2022.
- Ana González-Marcos, Fermín Navaridas-Nalda, Joaquín Ordieres-Meré, and Fernando Alba-Elías. A model for competence e-assessment and feedback in higher education. In *Handbook of Research on E-Assessment in Higher Education*, pages 295–311. IGI Global, 2019.
- Ana González-Marcos, Joaquín Ordieres-Meré, and Fernando Alba-Elías. Data mining to identify project management strategies in learning environments. In *Encyclopedia of Information Science and Technology, Fourth Edition*, pages 1934–1946. IGI Global, 2018.
- J. Ordieres Meré. *The Hoshin Kanri Forest: Lean Strategic Organizational Design*, chapter Project management with Hoshin Kanri, pages 71–90. CRC Press, 2017.
- Ana González Marcos, Fernando Alba, and Joaquín Ordieres. *Ingeniería de Proyectos*. DEXTRA Editorial, 2015.
- M. Jelali, A. Wolff, J. Bathelt, P Foerster, M. Nevot, J. Ordieres, and I. Ortiz. *Line-coordinated optimisation of strip geometry and surface properties by using model-based predictive technologies (Linecop)*. Industrial research and development, Basic metals industry, steel industry. EU BookShop, 2013.

- A. Casajus, J. Ordieres, J.L. Abego, and S.C. Lopez. *Analysis of fitting noise propagation in lightweight steel constructions and design solutions for their prevention (AFINOPRO)*. Industrial research and development, Basic metals industry, steel industry. EU BookShop, 2013.
- J. Ordieres-Meré, F.J. Martínez de Pisón Ascacibar, A.González Marcos, F. Alba Elías, and M. Castejón Limas. *Handbook of Research on Machine Learning Applications and Trends.*, chapter Application to Bankruptcy Prediction in Banks, pages 427–439. IGI Global, 2010.
- J. Ordieres-Meré, J. Alfonso Cendón, A. González Marcos, and M. Castejón Limas. *Computational Intelligence in Security for Information Systems 2010*, chapter A multi-agent data mining system for defect forecasting in a decentralized manufacturing environment, pages 43–50. Springer-Verlag, 2010.
- J. Ordieres, M. Castejón, and A. González Marcos. *Encyclopedia of Data Warehousing and Mining, Second Edition*, chapter Data Mining Applications in Steel Industry, pages 400–405. Wayne State University, 2009.
- R. Fernández Martínez, J. Ordieres Meré, F.J. Martínez de Pisón Ascacibar, A. González Marcos, F. Alba Elías, R. Lostado Lorza, and A.V. Pernía Espinoza A. V. *Redes Inalámbricas de sensores: teoría y aplicación práctica*. Universidad de la Rioja, Servicio de Publicaciones, 2009.
- J.T. Santomé, D. Gil-Pérez, A. Vilchez, M. Sánchez-Moreno, M. Área-Moreira, S. García-Barros, C. Martínez-Losada, J. Ordieres-Meré, F.J. Perales-Palacios, M. Suarez, Pedro Membiela, and M.A. Santos-Guerra. *Novos enfoques no ensino universitario*, chapter A elaboración de proxetos técnicos, pages 133–162. Universidade de Vigo, 2008.
- Joaquín Ordieres Meré, Manuel Castejón Limas, Francisco Javier Martínez de Pisón Ascacibar, Fernando Alba Elías, Ana González Marcos, Alpha Verónica Pernía Espinoza, and Eliseo Vergara González. *Técnicas y algoritmos básicos de visión artificial*. Material didáctico. Ingenierías 24. Universidad de La Rioja, Logroño, 2006.
- R. Alonso, J.A. Borja, G. Gurtubai, G. García, J. Gómez, J. Heijts, F.J. Marrodán, A. Olabe, J. Ordieres, M. Ortega, and C. Torres. *Mapa de las competencias conductoras de la innovación en la Rioja*. Universidad de la Rioja, Servicio de Publicaciones, 2006.
- F.J. Martínez de Pisón, J. Ordieres, M. Castejón Limas, F.J. De Cos Juez, E. Vergara, F. Alba, and E. Martínez de Pisón. *Empleo intensivo del acero en construcción seca. Buenas prácticas*. AEIPRO, 2005.
- F. J.de Cos Juez, J. Ordieres Meré, M. Castejón Limas, F.J. Martínez de Pisón Ascacibar, and F. Alba Elía. *La oficina técnica y los proyectos industriales*. AEIPRO, Logroño, 2002.
- M. Castejón Limas, J. Ordieres, F. J. De Cos Juez, and F.J. Martínez de Pisón. *Control de calidad. Metodología para el análisis previo a la modelización de datos en procesos industriales. Fundamentos teóricos y aplicaciones prácticas con R*. Universidad de la Rioja, Servicio de Publicaciones, 2001.
- Francisco Javier de Cos Juez, Joaquín Ordieres Meré, Manuel Castejón Limas, and Francisco Javier Martínez de Pisón. *Sonometría y contaminación acústica*. Material didáctico. Ingenierías. Universidad de La Rioja, Logroño, 2001. Francisco Javier de Cos Juez ... [et al.] il. ; 30 cm.
- J.L. Alier, J. Caamaño, J.L. Cano, A. Cazorla, A. Cuevas, M. De Cos, I. De los Rios, J.C. García, E. Gómez-Senent, J. Ordieres, J. Palacios, J.R. Prado, and A. Ruiz. *La ingeniería de proyectos en España. Estado y tendencia*. AEIPRO, 2001.
- J. Ordieres. *Bases para la Competencia en la Dirección de Proyectos*. AEIPRO, 2000.
- Joaquín Ordieres Meré. *Programación de proyectos*. Material Didáctico. Ingenierías. Servicio de Publicaciones. Universidad de la Rioja, Logroño, 1999.
- C. Menéndez; J. Paredes; F. Ortega; J.B. Ordieres. *DEVELOPMENT OF AN AUTOMATIC AND INTELLIGENT SYSTEM FOR THE ON-LINE INSPECTION AND CONTROL OF CRANE METALLIC CABLES BY REMOTE CONTROL IN THE STEEL INDUSTRY*. EU Bookshop, 1998.

F. Ortega, J.B. Ordieres, C. Menéndez, and C. González Nicieza. *Development of a neural-based diagnostic system to control the ropes of mining shifts.*, chapter Sesión C2, pages 108–112. Springer-Verlag, 1995.

J. Ordieres-Meré. *Administración de empresas para ingenieros (Materiales teóricos)*, chapter Proyectos mineros: Contenido y Planificación, pages 453–509. Editorial Civitas S. L., 1995.

Ed. C. Nicieza ; J. Ordieres. *Resúmenes Primer Simposio Internacional de Estructuras, Geotécnia y Materiales de Construcción*. Universidad de Oviedo, 1994.

J. Ordieres; G. Menéndez; N. Roqueñí; C. Nicieza., editor. *ACTAS DEL CONGRESO INTERNACIONAL DE INGENIERIA Y PROYECTOS*. Universidad de Oviedo, 1994.

C. González Nicieza, C. Moreno González, J.A. Huidobro Rojo, and J.B. Ordieres Meré. *An iterative numerical algorithm in plasticity*, chapter Section I, pages 152–164. Pineridge Press, 1986.

### PhD Thesis advised.

Alejandro Moreno Alonso. *Leveraging Sentiment Analysis and Artificial Intelligence for Stock Market Prediction*. Tesis, FACULTAD DE CIENCIAS ECONÓMICAS Y EMPRESARIALES, July 2025. autor, Alejandro Moreno Alonso, Advisor, Joaquín Ordieres Meré.

Daniel Schmidt. *From data and algorithms to value creation in the Industry 4.0*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, May 2022. autor, Daniel Schdmit, Advisors, Javier Villalba-Díez & Joaquín Ordieres Meré.

Tomás Clemente Prieto Remón. *Impact of international organizations digitalization programs on air transport sustainability: The IATA case*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, March 2021. autor, Tomás Clemente Prieto Remón, Advisors, Isabel Ortíz Marcos & Joaquín Ordieres Meré.

Shengjing Sun. *Digitalization Capacity for Knowledge Acquisition: Learning from Health*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, 2020. autor, Shengjing Sun, Advisors, Joaquín Ordieres Meré.

José Nicanor Franco Riquelme. *Quantification strategy in social media: Opinion analysis and indicators development in different contexts*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, December 2020. autor, José Nicanor Franco Riquelme, Advisors, Joaquín Ordieres Meré & Antonio Bello Garcá.

Yang Liu. *Applications of artificial intelligence in behavioral finance getting benefit from extended data sources*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, 2020. autor, Yang Liu, Advisors, Joaquín Ordieres Meré.

Ermal Hetemi. *Path dependence and path shaping: unearthing institutional dynamics in large-scale project organizing*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, 2020. autor, Ermal Hetemi, Advisors, Joaquín Ordieres Meré & Anna Jerbrant.

Xiaochen Zheng. *Relevant framework for social applications of internet of things by means of machine learning*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, 2019. autor, Xiaochen Zheng, Advisors, Joaquín Ordieres Meré.

Bing Gong. *Short Term Local Forecasting by Artificial Intelligence Techniques and Assessing related social effects from heterogeneous data*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, 2017. autor, Bing Gong, Advisors, Joaquín Ordieres Meré.

Elisa Sainz García. *Functional coatings deposited by an atmospheric pressure plasma jet (APPJ) system over thermoplastic elastomer (TPE) substrates*. Tesis, Industrial Engineering. Universidad de Ila Rioja, 2017. autor, Elisa Sanz García, Advisors, Fernando Alba Elías y Joaquín Ordieres Meré.

Javier Villalba-Díez. *Hoshin Kanri Forest : lean strategic organizational design*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, 2016. autor, Javier Villalba-Díez; Advisors, Joaquín Ordieres Meré.

Fadi Shrouf. *Utilizing the Internet of Things to promote energy awareness and efficiency at discrete production processes: Practices and methodology*. Tesis, Industrial Engineering. Universidad Politécnica de Madrid, 2015. autor, Fadi Shrouf ; Advisors, Joaquín Ordieres Meré and Giovanni Miragliotta.

Edelmira Delfina Gálvez Ahumada. *ANálisis de incertidumbre y análisis de sensibilidad global en la duración de proyectos usando la matriz de estructura dependiente*. Tesis, Industrial Engineering. Universidad Politécnica de Valencia, 2015. autor, Edelmira Delfina Gálvez Ahumada, Advisors, Salvador Fernando Capúz Rizo y Joaquín Ordieres Meré.

Claudia Barreto Cabrera, Joaquín Ordieres Meré, and Manuel Castejón Limas. *Minería de datos aplicada a la mejora de procesos de extrusión de elastómeros*. Tesis univ politécnica de valencia, Industrial Engineering. Universidad Politécnica de Valencia., 2009.

Enriqueta Salazar Ruiz, Salvador Fernando Capuz Rizo, and Joaquin Bienvenido Ordieres Mere. *Desarrollo de modelos predictivos de contaminantes ambientales*. Tesis univ politécnica de valencia, Industrial Engineering. Universidad Politécnica de Valencia., 2008. tesis doctoral presentada por Enriqueta Salazar Ruiz ; dirigida por Joaquín Ordieres Meré, Salvador Capuz Rizo En la parte sup. de la port.: Universidad Politécnica de Valencia. Departamento de Proyectos de Ingeniería N\* reg. 2792 Universidad Politécnica de Valencia. Departamento de Proyectos de Ingeniería.

Alpha Verónica Pernía Espinoza. *Use of advanced numerical simulation techniques for the study and improvement of steel-profiles manufacturing processes : (uso de técnicas avanzadas de simulación numérica para el estudio y mejora de procesos de fabricación de perfiles de acero)*. Tesis, Industrial Engineering. Universidad de la Rioja, 2007. author (autor), Alpha Verónica Pernía Espinoza ; Advisor Joaquín Ordieres Meré. Departamento de Ingeniería Mecánica de la Universidad de La Rioja.

Ana González Marcos. *Desarrollo de técnicas de minería de datos en procesos industriales : modelización en líneas de producción de acero*. PhD thesis, Industrial Engineering. Universidad de la Rioja, Logroño, 2006. una disertación dirigida por Joaquín B. Ordieres Meré y Eliseo P. Vergara González y desarrollada por Ana González Marcos gráf. ; 30 cm Documento no publicado.

Iñaki Agirre Pérez. *Sistema de planificación estocástico de proyectos : implicaciones en la gestión de riesgos*. Tesis, Industrial Engineering. Universidad de la Rioja, 2006. autor, Iñaki Agirre Pérez ; director, Joaquín Ordieres Meré gráf. ; 30 cm. + 1 disco (CD-ROM) Documento no publicado.

Manuel Castejón Limas and Joaquín Ordieres Meré. *Desarrollo de estrategias basadas en técnicas de inteligencia artificial para la mejora de la calidad en procesos industriales : tesis doctoral*. Tesis, Industrial Engineering. Universidad de la Rioja, 2004. autor, Manuel Castejón Limas ; director, Joaquín B. Ordieres Meré il., gráf. ; 30 cm Documento no publicado Precede al tít.: Universidad de La Rioja, Departamento de Ingeniería Mecánica.

Francisco Javier Martínez de Pisón Ascacibar and Joaquín Bienvenido Ordieres Meré. *Optimización mediante técnicas de minería de datos del ciclo de recocido de una línea de galvanizado*. PhD thesis, Industrial Engineering. Universidad de la Rioja, 2003.

Vicente Rodríguez Montequín. *Sistema inteligente de predicción de diferentes modelos de control en una siderurgia*. PhD thesis, Mining Department. Universidad de Oviedo, 1999.

José Luis Suarez. *Estrategias de creación de empresas a través de los centros europeos de empresas de innovación*. PhD thesis, Industrial Engineering. Universidad de Oviedo, 1997.

Faustino Obeso Carrera, Mariano Artés Gómez, and Joaquín B. Ordieres Meré. *Sistema de control del desgaste de cables on-line*. Tesis-universidad nacional de educación a distancia, escuela técnica superior de ingenieros industriales, 1996, Industrial Engineering. UNED, 1997. autor Faustino Obeso Carrera ; Advisors Mariano Artés Gómez, Joaquín B. Ordieres Meré. Universidad Nacional de Educación a Distancia (España). Escuela Técnica Superior de Ingenieros Industriales.

Valeriano Alvarez Cabal. *Sistema de gestión de flujos de trabajo y reingeniería de procesos*. PhD thesis, Industrial Engineering. University of Oviedo, 1997.

Santiago Berjano Serrano. *Sistema experto para el diagnóstico y control de cables de acero*. PhD thesis, Mines School. Universidad de Oviedo, 1996.

Antonio Bello García. *ASPECTOS GRAFICOS DE LA SUBSIDENCIA MINERA*. PhD thesis, Mines School. Universidad de Oviedo, 1995.

Francisco Ortega Fernández. *Técnicas de inteligencia artificial aplicadas al control de calidad en procesos industriales*. PhD thesis, Mines School. Universidad de Oviedo, 1995.

Adolfo Castañón Alonso. *COMPORTAMIENTO DEL TERRENO ANTE LOS DESPRENDIMIENTOS INSTANTANEOS*. PhD thesis, Mines School. Universidad de Oviedo, 1994.

Javier Taboada Castro. *Diseño de minas subterráneas de Pizarra*. PhD thesis, Mines School. Universidad de Oviedo, 1992.

Cesar Menéndez Fernández. *Modelización matemática y simulación numérica del fenómeno de consolidación de suelos*. PhD thesis, Applied Mathematics Department. Universidad de Oviedo, 1990. Cum-Laude.

## Patents.

Antonio Bello García and Joaquín Ordieres Meré. *Procedimiento de estimación del régimen de funcionamiento de un sistema a partir de la firma de su consumo eléctrico*, 6 2024.

Fernando Alba Elías, Laura Martínez Martínez, Ana González Marcos, and Joaquín Ordieres Meré. *Feeding carriage for compressor machine and use of same*, 6 2019. US Patent 10,322,557.

Fernando Alba Elías, Laura Martínez Martínez, Ana González Marcos, and Joaquín Ordieres Meré. *CARRO ALIMENTADOR PARA MÁQUINA COMPRESORA Y USO DEL MISMO.*, PCT/ES2014/000086 2014.

Fernando Alba Elías, Ana González Marcos, and Joaquín Ordieres Meré. *COMPETENCE ASSESSMENT METHOD AND SYSTEM*, US2013/0238404-A1 2013.

Joaquín Ordieres Meré, Eliseo Vergara González, Francisco Javier Martínez de Pisón Ascacibar, Fernando Alba Elías, and Manuel Castejón Límás. *APARATO PARA ACONDICIONAR MATERIAL PARTICULADO MEDIANTE MEZCLA, HUMECTACIÓN Y SECADO*, 2011.

Joaquín Ordieres Meré, Fernando Alba Elías, José Antonio Gómez Cristobal Jorge Muro Hernández, Eduardo Martínez de Pisón Ascacibar, Lázaro Cremades Oliver, María Margarita González Benítez, and Carlos Sierra Garrica. *DISPOSITIVO PARA COMPRESIÓN DE ADITIVOS ALIMENTARIOS EN POLVO*, ES2326511 2010.

Joaquín Ordieres Meré, Fernando Alba Elías, Eliseo Vergara González, Francisco Javier Martínez de Pisón Ascacibar, Alpha Verónica Pernía Espinosa, Eduardo Martínez de Pisón Ascacibar, Manuel Castejón Límás, and Ana González Marcos. *DISPOSITIVO DE ABSORCIÓN ACÚSTICA*, ES2326769 2010.

Joaquín Ordieres Meré and Fernando Alba Elías. *TECHO CON ABSORCIÓN ACÚSTICA VARIABLE*, ES2327592 2010.

Fernando Alba Elías, Joaquín Ordieres Meré, Eliseo Vergara González, Francisco Javier Martínez de Pisón Ascacibar, Alpha Verónica Pernía Espinosa, Eduardo Martínez de Pisón Ascacibar, Manuel Castejón Límás, and Ana González Marcos. *PROCEDIMIENTO Y SISTEMA PARA EL TRATAMIENTO DE AGUAS CONTAMINADAS CON METALES PESADOS*, ES2325349 2010.

Fernando Alba Elías, Antonio Bello García, Manuel Castejón Límás, Ana González Marcos, Eliseo Vergara González, Francisco Javier Martínez de Pisón Ascacibar, Alpha Verónica Pernía Espinosa, Joaquín Ordieres Meré, and José Ramón Cobo Benita. *PROCEDIMIENTO PARA PREDECIR LA CALIDAD RESULTANTE DE PERFILES DE ELASTÓMEROS*, ES2331720 2010.

Joaquín Ordieres Meré, Eliseo Vergara González, Francisco Javier Martínez de Pisón Ascacibar, Fernando Alba Elías, and Manuel Castejón Límás. *MEJORAS INTRODUCIDAS EN LA PATENTE DE INVENCION P200202907 POR SUMINISTRADOR-DOSIFICADOR DE COMPRIMIDOS A ENVASES PARA LA INDUSTRIA ALIMENTARIA*, ES2277503 2007.

Fernando Salvador Capúz Rizo, Joaquín Ordieres Meré, Francisco Javier Martínez de Pisón Ascacibar, Eliseo Vergara González, Fernando Alba Elías, Ana González Marcos, Manuel Castejón Límás, and Alpha Verónica Pernía Espinosa. *MÉTODO Y DISPOSITIVO DE INSPECCIÓN AUTOMÁTICA*, ES2247919 2006.

Francisco Javier Martínez de Pisón Ascacibar, Fernando Alba Elías, Manuel Castejón Límás, Alpha Verónica Pernía Espinosa, Ana González Marcos, Joaquín Ordieres Meré, and Eliseo Vergara González. *DOSIFICADOR DE ANHIDRIDO SULFUROSO EN CONTINUO DE ALTA PRECISIÓN PARA USO VINICOLA*, ES2246651 2006.

Joaquín Ordieres Meré, Eliseo Vergara González, Francisco Javier Martínez de Pisón Ascacibar, Fernando Alba Elías, and Manuel Castejón Límás. *SUMINISTRADOR-DOSIFICADOR DE COMPRIMIDOS A ENVASES PARA LA INDUSTRIA ALIMENTARIA.*, ES2242475 2005.

Joaquín Ordieres Meré, Eliseo Vergara González, Francisco Javier Martínez de Pisón Ascacibar, Fernando Alba Elías, and Manuel Castejón Límás. *SUMINISTRADOR-DOSIFICADOR DE COMPRIMIDOS A ENVASES PARA LA INDUSTRIA ALIMENTARIA*, PCT/ES2003/000642 2005.

Joaquín Ordieres Meré, Eliseo Vergara González, Fernando Alba Elías, Francisco Javier Martínez de Pisón Ascacibar, Manuel Castejón Límás, and Ana González Marcos. *COMPRIMIDO DE PRODUCTO ADITIVO PARA SU DOSIFICACIÓN AUTOMÁTICA A ENVASES EN LA INDUSTRIA ALIMENTARIA.*, ES1059831U 2005.

Paulino Martínez Landa, Fernando Alba Elías, Amaya Pérez Ezcurdia, Marta Benito Amurrio, Francisco Javier Martínez de Pisón Ascacibar, Joaquín Ordieres Meré, Alpha Verónica Pernía Espinosa, Eliseo Vergara González, and Manuel Castejón Límás. *SISTEMA DE SEGUIMIENTO DE LA FERMENTACIÓN ALCOHÓLICA.*, ES2241457 2005.

Francisco Javier Martínez de Pisón Ascacibar, Joaquín Ordieres Meré, Francisco Javier de Cos Juez, and Manuel Castejón Límás. *SISTEMA AUTOMÁTICO DE DOSIFICACIÓN HOMOGENEA DE SULFUROSO EN BODEGAS.*, ES2173040 2002.

Joaquín Ordieres Meré, Francisco Ortega Fernández, and César Menéndez Fernández. *PROCEDIMIENTO PARA LA IDENTIFICACIÓN DE CAUSAS DE DEFECTOS EN TRENES DE LAMINACIÓN DE CHAPAS.*, ES2128239 1999.

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## Editorial Engagement

From 2020 – Member of the Editorial Board of *International Journal of Data Mining, Modelling and Management* [link]

From 2022 – Member of the Editorial Board of *MDPI Sensors* [link]

From 2023 – Member of *Frontiers in Built Environment*, section of Construction Management [link]

From 2024 – Member of the Editorial Board of *ELSP AI+* [link]

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## Previous Positions

2018–2018 **Visiting Professor**, *Five months at Centre de la Recherche de Gestion (CRG-i3). École Polytechnique, Campus de Saclay, Paris.*, Management, France

2014–2014 **Visiting Professor**, *One month at The Beijing Institute of Technology (BIT), NLP, CHINA*

2011–2011 **Visiting Professor**, *Six months at The University of Iowa, Department of Industrial and Mechanical Engineering, IA, USA*

- 2005–2005 **Visiting Professor**, *Four months at Ecole Internationale des Sciences du Traitement de l'information.*, Campus Pau, France
- 1997–2009 **Full Professor**, *Universidad de la Rioja, Department of Mechanical Engineering*, La Rioja, ES
- 1992-1997 **Associate Professor**, *Universidad de Oviedo, Department of Mining Engineering*, Asturias, ES
- 1988-1992 **Assistant Professor**, *Universidad de Oviedo, Department of Applied Mathematics*, Asturias, ES
- 1986-1986 **Visiting Researcher**, *INRIA: Institut National de Recherche en Informatique et en Automatique*, Versailles/Paris, FR

## Languages

- Spanish Native Language
- English Intermediate
- French Intermediate

## Other Skills

### Academic Formalities

Docent Periods Six five-year periods granted

Research Periods Five six-year periods granted

### Certifications

PM Project Management Institute, Project Manager Professional

PM International Project Management Association, Level B

### Representation

PM Spanish member of delegation for the ISO TC258

EU Spanish representant at Technical Committee for Steel Research TSG8

EU Expert Number EX2002B003570

### Information Systems

Languages Java, C, C++, Pro\*C, Oracle PL/SQL, Python, Perl, PHP, JavaScript, awk, UML

Packages MATLAB, R, RStudio, Lisa

Platforms UNIX, Linux, Windows, TSO/ISPF, Hadoop, Spark, Virtualization, CUDA

Databases Sybase, Oracle, DB2, MySQL, Access, MsSQL, NonSQL Databases(CouchDB,MongoDB)

Tools Office, L<sup>A</sup>T<sub>E</sub>X<sub>2</sub>e

Shells CakePHP, activiti, project.net, netlogo, Weka, Pentaho, Aptana, Eclipse

FEM Modulf, Abaqus, Ansys, OpenFEM, Aster, Fluent, Algor