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Personal Data

- ◇ **Born:** September 1, 1969.
- ◇ **Country:** Santiago de Compostela, Spain.

Education:

- ◇ **Telecommunications Engineer.** Universidade de Vigo, October 1992.
- ◇ **Ph.D. Telecommunications Engineering.** Universidad de Vigo, Spain, May, 2001.
Advisors: Prof. Cándido López García (University of Vigo).

Experience:

- ◇ **April 2015 - April 2021,** Vice-dean, School of Telecommunications Engineering, Universidade de Vigo.
- ◇ **October 2001 - Present.** Associate professor, Department of Telematics Engineering, Universidad de Vigo.
- ◇ **October 1996 - September 2001.** Assistant professor, Department of Telematics Engineering, Universidad de Vigo.
- ◇ **October 1992 - September 1996.** Assistant Professor, Universidad de Valladolid.

Professional Activities:

- ◇ Senior Member, The Institute of Electrical and Electronics Engineers (IEEE).
- ◇ Member, IEEE Communications Society, IEEE Information Theory Society.

Areas of Teaching Experience:

- ◇ Information & coding theory
- ◇ Network engineering
- ◇ Telecommunications systems & services
- ◇ Cryptography
- ◇ Social networks
- ◇ Data communications

Areas of Research Experience:

- ◇ Performance analysis
- ◇ Wireless networks
- ◇ Control and dynamics of communication networks

- Citation Metrics:** ◇ **Google Scholar.** Total citations: 790 (397), h-index: 15 (11), i10-index: 23 (13).
◇ **Scopus.:** 762, h-index: 12. AuthorID: 6602260312
- Short Courses:** ◇ **Introduction to Telematics.** I Master in Telematics, Universidad de La Coruña, 1997.
◇ **I & III Specialization course in systems & network administration.** Universidade de Vigo, 2008 & 2010.
◇ **I & II Specialization course in 5G technologies.** Universidade de Vigo, 2019-2021. (Instructor & co-director).
- Advising:** ◇ **Ph.D. Students**
6. *Web personalized recommendation based on ontology evolution and machine learning*, Rana Alaa, 2021.
 5. *Reducción de las pérdidas de potencia en Redes Eléctricas Inteligentes aplicando la Teoría de Juegos Cooperativos*, Javier Bernardo Cabrera Mejía, 2021.
 4. *Interference management in device-to-device multicast communication in 5G networks*, Mariem Hmila, 2019.
 3. *Optimización de rutas e ingeniería de tráfico para redes móviles anidadas en entornos heterogéneos*, Christian A. Lazo Ramírez, 2008.
 2. *Diseño y análisis de un esquema de control de tráfico agregado en redes IP*, Sergio Herrería Alonso, 2006.
 1. *Diseño y análisis de un esquema de control de congestión en redes multicast para tráfico con requisitos temporales*. Miguel Rodríguez Pérez, 2006.
- ◇ **M.S. Students**
- Adviser of more 10 students with M.S. Thesis and more than 70 with Bachelor thesis.
- Funded Research Projects:** ◇ *COMPROMISE: Privacy in Distributed Machine Learning.* Principal investigator: Ana Fernández Vilas, Rebeca Díaz Redondo. Funded by: Ministerio de Ciencia e Innovación. 2021-2024
- ◇ *GO2EDGE: Diseñando las futuras redes, sistemas y servicios de computación seguras en el extremo.* Cooperation network. Principal investigator: Ramón J. Durán Barroso (University of Valladolid). Funded by: Ministerio de Ciencia, Innovación y Universidades. 2019-2020
- ◇ *Advanced communication technologies for energy-optimal dense networks (ACTHEON).* Principal investigator: Manuel Fernández Veiga. Funded by: Ministerio de Economía, Industria y Competitividad. Plan Nacional de I+D+i. 2018-2020.
- ◇ *FIVE. Virtualization and resource federation in the future Internet.* Principal investigator: Cándido López. Funded by: Ministerio de Educación y Ciencia, Plan Nacional de I+D+I, 2009-2013.
- ◇ *OPTINET6. Optimal network service provision for vehicular networks*, Principal Investigator: Cándido López. Funded by: Ministerio de Educación y Ciencia, Plan Nacional de I+D+I, 2006-2009.
- ◇ *Scalability in optical networks with QoS.* Principal investigator: Cándido López. Funded by: Ministerio de Educación y Ciencia, Plan Nacional de I+D+I, 2003-2006.

- ◇ *Modelado, análisis y simulación de los servicios y la arquitectura de Internet*. Principal investigator: Cándido López. Funded by: Ministerio de Educación y Ciencia, Plan Nacional de I+D+I, 2001-2003.

Publications: ◇ **A. BOOKS (in Spanish)**

4. *Cuestiones de redes de datos. Principios y protocolos*. Tórculo Ediciones, S.L., 2007. C. López García, S. Herrería Alonso, M. Rodríguez Pérez, M. Fernández Veiga. Second edition: 2012.
3. *Cuestiones de Teoría de la Información y Codificación*. Tórculo Ediciones, S. L., 2003. Cándido López y Manuel Fernández Veiga
2. *Teoría de la Información y Codificación*. Tórculo Ediciones, S. L., 2002. Cándido López y Manuel Fernández Veiga. (2^a edición, 2013 ISBN: 978-84-8408-220-0)
1. *DNS: servicio de nombres de dominio*, chapter in *Introducción práctica a la administración de sistemas en Internet*, Y. Dimitriadis, F. J. Díaz Pernas (editores), Secretariado de Publicaciones e Intercambio Científico, Universidad de Valladolid, 1998. Manuel Fernández Veiga y Raúl F. Rodríguez Rubio

◇ **B. REFEREED JOURNALS AND BOOK CHAPTERS**

45. R. Alaa, M. Gawich, M. Fernández-Veiga. “Improving recommendations for online retail markets based on ontology evolution”. *Electronics*, 2021. DOI: 10.3390/electronics10141650
44. M. Hmila, M. Fernández-Veiga, M. Rodríguez Pérez, S. Herrería Alonso. “Non-Orthogonal Multiple Access for Unicast and Multicast D2D: Channel Assignment, Power Allocation and Energy Efficiency”. *Sensors*, 2021(10), 3436. DOI: 10.3390/s21103436
43. M. Hmila, M. Fernández-Veiga, M. Rodríguez Pérez, S. Herrería Alonso. “Distributed Energy Efficient Channel Allocation in Underlay Multicast D2D Communications”. *IEEE Trans. on Mobile Computing*, 2021. DOI: 10.1002/ett.1485
42. G. Otero, A. Ebrahimzadh, M. Maier, J.A. Hernández, D. Larrabeiti, M. Fernández-Veiga. “Decentralized Coordination of Converged Tactile Internet and MEC services in H-CRAN Fiber Wireless Networks”. *IEEE/OSA J. Lightwave Technology*, 38(18):4935-4947, 2020. DOI: 10.1109/JLT.2020.2998001
41. M.E. Sousa Vieira, J.C. López Ardao, M. Fernández-Veiga, O. Pires Ferreira. “The interplay between gamification and network structure in social learning environments: A case study”. *Computer Applications in Engineering Education*, 28(4):814-836, 2020. [HTTP://DX.DOI.ORG/10.1002/CAE.22254](http://dx.doi.org/10.1002/cae.22254) DOI: 10.1002/cae.22254
40. M. Hmila, M. Fernández-Veiga, M. Rodríguez, S. Herrería. “Energy Efficient Power and Channel Allocation in Underlay Device to Multidevice Networks”. *IEEE Trans. on Commun.*, 67(8):5817-5832, 2019. DOI: 10.1109/TCOMM.2019.2915227
39. S. Herrería, M. Rodríguez, M. Fernández-Veiga, C. López. “Dynamic EEE Coalescing: Techniques and Bounds”. *IEEE Trans. on Green Comms. and Netw.*, 3(1):205-214, 2019. DOI: 10.1109/TGCN.2019.2893105
38. P. Fondo Ferreiro, M. Rodríguez Pérez, M. Fernández-Veiga, S. Herrería Alonso. “Matching SDN and Legacy Networking Hardware for Energy Efficiency and Bounded Delay”. *Sensors*, 18(11), 2019. DOI: 10.3390/s18113915
37. M. E. Sousa Vieira, M. Fernández-Veiga. “Prediction of learning success/failure via pace of events in a social network platform”. *Computer Applications in Engineering*, 2018. DOI: 10.1002/cae.21976

36. M. Rodríguez Pérez, S. Herrería Alonso, M. Fernández-Veiga, M. Hmila, C. López García. “Optimum traffic allocation in bundled energy efficient Ethernet”. *IEEE Systems J.*, vol. 12(1), pp. 593-603, 2018. DOI: 10.1109/JSYST.2015.2466086
35. S. Herrería-Alonso, M. Rodríguez-Pérez, M. Fernández-Veiga, C. López-García. “An optimal dynamic sleeping control policy for single base stations in green cellular networks”. *Journal of Network and Computer Applications*, 2018. DOI: 10.1016/j.jnca.2018.05.014
34. M. Rodríguez López, S. Herrería Alonso, M. Fernández-Veiga, C. López García. “Delay properties of Energy Efficient Ethernet Interfaces”. *IEEE Comm. Letters* vol. 21(10), pp. 2194-2197, 2017. DOI: 10.1109/LCOMM.2017.2726539
33. E. Sousa Vieira, J.C. López Ardao, M. Fernández-Veiga, M. Rodríguez Pérez, C. López García, “Mining relationships in learning-oriented social networks2. *Computer Applications in Engineering Education* vol. 25(5), pp. 769-784, 2017. DOI: 10.1002/cae.21835
32. S. Herrería Alonso, M. Rodríguez Pérez, M. Fernández-Veiga, C. López García. “Optimizing dual-mode EEE interfaces: deep-sleep is healthy”. *IEEE Trans. Commun.* vol. 65, pp. 3374-3385, 2017. DOI: 10.1109/TCOMM.2017.2700310
31. E. Sousa Vieira, J. C. López Ardao, M. Fernández-Veiga, M. Rodríguez Pérez, y S. Herrería Alonso, “An Open-Source Platform for Using Gamification and Social Learning Methodologies in Higher Education: Design and Experience”. *Computer Applications in Engineering Education*, pp. 2963-2973, 2016. DOI: 10.1002/cae.21746
30. M. Rodríguez Pérez, S. Herrería Alonso, M. Fernández-Veiga, C. López García. “A self-tuning receiver-initiated MAC protocol for wireless sensor networks”. *IEEE Wireless Commun. Letters*, vol. 6(4), pp. 601-604, 2015. DOI: 10.1109/LWC.2015.2472398
29. S. Herrería, M. Rodríguez, M. Fernández-Veiga, C. López García. “Adaptive DRX Scheme to Improve Energy Efficiency in LTE Networks with Bounded Delay”. *IEEE J. Select. Areas in Commun.*, vol. 33(12), pp. 2963-2973, 2015. DOI: 10.1109/JSAC.2015.2478996
28. M. Rodríguez Pérez, S. Herrería, M. Fernández-Veiga, C. López García. “An Ant Colonization Routing Algorithm to Minimize Network Power Consumption”. *J. of Networking and Computer Applications*, vol. 58, pp. 216-225, 2015. DOI: 10.1016/j.jnca.2015.08.011
27. P. Argibay Losada, A. Suárez González, C. López García, M. Fernández-Veiga. “Loss-based proportional fairness in multihop wireless networks”. *Wireless Networks*, vol. 20(5), pp. 805-816, 2014. DOI: 10.1007/s11276-013-0644-3
26. P.J. Argibay, A. Suárez González, C. López García, M. Fernández-Veiga. “Quantitative end-to-end throughput differentiation for bulk TCP applications in the Internet”. *Computer Communications*, vol. 42(1), pp. 47-59, 2014. DOI: 10.1016/j.comcom.2014.01.006
25. S. Herrería, M. Rodríguez, M. Fernández-Veiga, C. López García, “On the Use of the Doze Mode to Reduce Power Consumption in EPON Systems”. *IEEE/OSA J. of Lightwave Technology*, vol. 32(2), pp. 285-292, 2014. DOI: 10.1109/JLT.2013.2293057
24. E. Sousa Vieira, A. Suárez González, M. Fernández-Veiga, J.C. López Ardao, C. López García. “Model selection for long-memory processes in the spectral domain”. *Computer Communications*, vol. 36(13), pp. 1346-1449, 2013. DOI: 10.1016/j.comcom.2013.06.002
23. S. Herrería Alonso, M. Rodríguez Pérez, M. Fernández Veiga, C. López García. “A GI/G/1 model for 10 Gb/s energy efficient Ethernet”. *IEEE Trans. on Communications*, vol. 60(11), pp. 3386-3395, 2012. DOI: 10.1109/TCOMM.2012.081512.120089
22. S. Herrería Alonso, M. Rodríguez Pérez, M. Fernández Veiga, C. López García. “Optimal configuration of Energy-Efficient Ethernet”. *Computer Networks*, vol. 55(10) special issue on *Green communication networks*, pp. 2456-2467, 2012. DOI: 10.1016/j.comnet.2012.03.006
21. M. Rodríguez Pérez, S. Herrería Alonso, M. Fernández Veiga, C. López García. “Improving energy efficiency in upstream EPON channels by packet coalescing”. *IEEE Trans. on Communications*, vol. 60(4), pp. 929-932, 2012. DOI: 10.1109/TCOMM.2012.022712.11014

20. S. Herrería Alonso, M. Rodríguez Pérez, M. Fernández Veiga, C. López García. "A power saving model for burst transmission in energy efficient Ethernet". *IEEE Communications Letters*, vol. 15(5), pp. 584-586, 2011. DOI: 10.1109/LCOMM.2011.040111.110547
19. M. Rodríguez Pérez, S. Herrería Alonso, M. Fernández Veiga, C. López García. "Common Problems in Delay-Based Congestion Control Algorithms: A Gallery of Solutions", *Eur. Trans. on Telecommunications*, vol. 24(2), pp. 168-179, 2011. DOI: 10.1002/ett.1485
18. S. Herrería Alonso, M. Rodríguez Pérez, M. Fernández Veiga, C. López García. "Opportunistic power saving algorithms for Ethernet devices". *Computer Networks*, vol. 55(9), pp. 2051-2064, 2011. DOI: 10.1016/j.comnet.2011.02.012
17. M.Á. González Ortega, A. Suárez González, J. C. López Ardao, M. Fernández Veiga, C. López García. "Loss Differentiation in OBS Networks with Limited or No Wavelength Conversion". *IEEE/OSA J. of Lightwave Technology*, vol. 28(13), pp. 1944-1957, 2010. DOI: 10.1109/JLT.2010.2050460
16. E. Sousa Vieira, A. Suárez González, C. López García, M. Fernández Veiga, J. C. López Ardao, R. F. Rodríguez Rubio. "Fast simulation of self-similar and correlated processes". *Mathematics and Computers in Simulation*, vol. 80(10), pp. 2040-2061, 2010. DOI: 10.1016/j.matcom.2010.01.010
15. P.J. Argibay Losada, A. Suárez González, C. López García, M. Fernández Veiga. "A new design for end-to-end proportional loss differentiation in IP networks". *Computer Networks*, vol. 54(9), pp. 1389-1403, 2010. DOI: 10.1016/j.comnet.2009.12.002
14. P.J. Argibay Losada, A. Suárez González, C. López García, M. Fernández Veiga. "Flow splitting for end-to-end proportional QoS in OBS networks". *IEEE Trans. on Communications*, vol. 58(1), pp. 257-269, 2010. DOI: 10.1109/TCOMM.2010.01.090058
13. M. Rodríguez Pérez, S. Herrería Alonso, M. Fernández Veiga, C. López García. "The Persistent Congestion Problem in FAST TCP: Analysis and Solutions". *European Trans. on Telecommunications*, vol. 21(6), pp. 504-518, 2010. DOI: 10.1002/ett.1407
12. M. E. Sousa Vieira, A. Suárez González, J. C. López Ardao, M. Fernández Veiga, C. López García. "On improving the efficiency of an M/G/ ∞ generator of correlated traces". *Operations Research Letters*, vol. 36(2), pp. 184-188, marzo 2008. DOI: 10.1016/j.orl.2007.05.002
11. M. Rodríguez Pérez, S. Herrería Alonso, M. Fernández Veiga, A. Suárez González, C. López García. "Achieving Fair Network Equilibria with Delay-based Congestion Control Algorithms". *IEEE Communications Letters*, vol. 12(7), pp. 535-537, julio 2008. DOI: 10.1109/LCOMM.2008.080372
10. M.Á. González Ortega, J.C. López Ardao, R.F. Rodríguez Rubio, C. López García, M. Fernández Veiga, A. Suárez González. "Performance Analysis of Adaptive Multipath Load Balancing in WDM-LOBS Networks". *Computer Communications*, vol. 30(18), pp. 3460-3470, 2007. DOI: 10.1016/j.comcom.2007.10.013
9. M. E. Sousa Vieira, A. Suárez González, J. C. López Ardao, C. López García, Manuel Fernández Veiga. "Application of the Whittle Estimator to the modeling of Traffic based on the M/G/ ∞ Process". *IEEE Communications Letters*, vol. 11 (10), pp. 817-819, octubre 2007. DOI: 10.1109/LCOMM.2007.070836
8. S. Herrería Alonso, M. Rodríguez Pérez, A. Suárez González, M. Fernández Veiga, Cándido López García. "Improving TCP Vegas Fairness in Presence of Backward Traffic". *IEEE Communications Letters*, Volume 11, Number 3, pp. 273-275 - mar 2007. DOI: 10.1109/LCOMM.2007.061597
7. M. Rodríguez Pérez, S. Herrería Alonso, M. Fernández Veiga, C. López García. "An Adaptive Multirate Congestion Control Protocol for Multicast Communications". *Computer Communications*, vol. 29(12), págs. 2247-2260, agosto 2006. DOI: 10.1016/j.comcom.2006.03.008

6. S. Herrería Alonso, M. Fernández Veiga, M. Rodríguez Pérez, A. Suárez González, C. López García. “Edge-to-edge proactive congestion control for aggregated traffic”. *Computer Communications*, 2006, vol. 19(7), pp. 801-811, 2006. DOI: 10.1016/j.comcom.2005.08.002
5. S. Herrería-Alonso, A. Suárez-González, M. Fernández Veiga, R.F. Rodríguez-Rubio, C. López García. “Improving Aggregate Flow Control in Differentiated Services Networks”. *Computer Networks* vol. 44(4), pp. 499-512, 2004. DOI: 10.1016/j.comnet.2003.12.007
4. M. Fernández Veiga, C. López García, J. C. López Ardao, A. Suárez González, M. E. Sousa Vieira. “On the effectiveness of the many-sources asymptotic for admission control”. *Computer Communications*, vol. 26(12), pp. 1376-1399, 2003. DOI: 10.1016/S0140-3664(02)00260-8
3. A. Suárez, J. C. López, C. López, M. Fernández Veiga, R. Rodríguez, M. E. Sousa. “A new heavy-tailed discrete distribution for LRD M/G/ ∞ sample generation”. *Performance Evaluation*, vol. 47, pp. 197–219, 2002. DOI: 10.1016/S0166-5316(01)00069-4
2. T. Lestayo, M. Fernández Veiga. “Adaptive approach for FEC reliable multicast”. *IEE Electronics Letters*, vol. 37, pp. 1333–1335, 2001. DOI: 10.1049/el:20010913
1. J. C. López, C. López, A. Suárez, M. Fernández Veiga, R. Rodríguez. “On the use of self-similar processes in network simulation”. *ACM Trans. on Modeling and Computer Simulation*, vol. 10(2), pp. 125–151, 2000. DOI: 10.1145/364996.365004

◇ **C. BOOK CHAPTERS**

2. P.J. Argibay Losada, A. Suárez González, M. Fernández Veiga, and C. López García. “End-to-end proportional differentiation over OBS networks”. En *Current research progress of optical networks* Springer, 2009. ISBN: 978-1-4020-9888-8.
1. C. A. Lazo, R. Glöckler, S. Céspedes, M. Fernández Veiga. “Traffic flow analysis over a IPv6 hybrid MANET”, en *Innovative algorithms and techniques in automation, industrial electronics and telecommunications* (T. Sobh, K. Elleithy, A. Mahmood, M. Karim, editores), pp. 95-100, Springer 2007. ISBN: 978-1-4020-6265-0

◇ **D. OTHER PUBLICATIONS**

14. M.E. Sousa Vieira, J.C. López Ardao, M. Fernández Veiga. “The network structure of interactions in online social learning environments”. *Communications in Computer and Information Science*, pp. 3407-431, Springer, 2018.
13. M. Hmila, M. Fernández Veiga. “Energy-Efficient Power Control and Clustering in Underlay Device to Multi-device Communications”. *Lecture Notes in Computer Science*, vol. 10372, pp. 194-206. Springer, 2017.
12. M. E. Sousa Vieira, J. C. López Ardao, M. Fernández Veiga, M. Rodríguez Pérez, C. López García. “Using Social Learning in Higher Education”. *International Journal on Engineering Pedagogy*, vol. 5, pp. 64-72, 2015.
11. M. Rodríguez Pérez, M. Fernández Veiga, S. Herrería Alonso, C. López García. “A Heuristic Approach to the Passive Detection of Reno-like TCP flows”. *Lecture Notes in Computer Science*, vol. 5425, pp. 87-94, 2008.
10. M. A. González Ortega, J. C. López Ardao, P. Argibay Losada, A. Suárez González, C. López García, M. Fernández Veiga, R. F. Rodríguez Rubio. “End-to-end Proportional Loss Differentiation in OBS Networks”. *Lecture Notes in Computer Science*, vol. 4892, pp. 346-357, 2008.
9. M.E. Sousa Vieira, A. Suárez González, J. C. López Ardao, M. Fernández Veiga, C. López García. “On the flexibility of M/G/ ∞ processes for modeling traffic with persistent correlations”. *Lecture Notes in Computer Science*, vol. 4516, pp. 284-294, 2007.
8. P. J. Argibay Losada, A. Suárez González, M. Fernández Veiga, R. F. Rodríguez Rubio, C. López García. “Evaluation of Optical Burst-Switching as a multiservice environment”. *Lecture Notes in Computer Science*, vol. 4479, pp. 970-980, 2007.

7. M. Rodríguez Pérez, M. Fernández Veiga, C. López García, S. Herrería Alonso. “Congestion Control in Multicast Networks”. *Encyclopedia of Internet Technologies and Applications*, IGI Global - 2007.
6. S. Herrería Alonso, M. Fernández Veiga, A. Suárez González, M. Rodríguez Pérez, C. López García. “The Differentiated Services Architecture”. *Encyclopedia of Internet Technologies and Applications*, IGI Global - 2007.
5. S. Herrería Alonso, M. Fernández Veiga, M. Rodríguez Pérez, A. Suárez González, C. López García. “Ping Trunking: un mecanismo de control de congestión para tráfico agregado basado en Vegas”. *Novática*, vol. 176, pp. 61-66, julio 2005.
4. S. Herrería Alonso, M. Rodríguez Pérez, M. Fernández Veiga, A. Suárez González, C. López García. “Unbiased RIO: An Active Queue Management Scheme for DiffServ Networks”. *Lecture Notes in Computer Science*, vol. 3262, pp. 60-69, 2004.
3. S. Herrería Alonso, M. Fernández Veiga, M. Rodríguez Pérez, A. Suárez González, C. López García. “Ping Trunking: A Vegas-Like Congestion Control Mechanism for Aggregated Traffic”. *Lecture Notes in Computer Science*, vol. 3266, pp. 104-113, 2004.
2. M. Rodríguez Pérez, S. Herrería Alonso, M. Fernández Veiga, A. Suárez González, C. López García. “A Generic Approach for the transmission of Real Time Data in Multicast Networks”. *Lecture Notes in Computer Science*, vol. 3262, pp. 196-205, 2004.
1. M. Rodríguez Pérez, M. Fernández Veiga, S. Herrería Alonso, A. Suárez González, C. López García. “A Receiver Based Single-Layer Multicast Congestion Control Protocol for Multimedia Streaming”. *Lecture Notes in Computer Science*, vol. 3042, pp. 550-561, 2004.

◇ **D. REVIEWED CONFERENCE PAPERS**

52. A. Vázquez Saavedra, G. Jiménez Balsa, J. Loureiro Acuña, M. Fernández-Veiga, A. Pedrouzo Ulloa. “Homomorphic SVM Inference for Fraud Detection”. VI Jornadas Nacionales de Investigación en Ciberseguridad (JNIC’21)
51. O. Pires, E. Sousa, M. Fernández-Veiga, J.C. López-Ardao. “Effectiveness of gamification in undergraduate education”. 12th Intl. Conf. on Computer Supported Education (CSEDU’21)
50. S. Malta, M. Fernández Veiga, P. Pinto. “Using Syntactic Similarity to Shorten the Training Time of Deep Learning Models Using Time Series Datasets - A Case Study”. 2nd Intl. Conf. on Deep Learning and Applications (DELTA’21). Online, 2021.
49. R. Alaa, M.Gawich, M. Fernández-Veiga. “Personalized Recommendation for Online Retail Applications Based on Ontology’ Evolution”. Int. Conf. on Computer and Internet Technology (ICCIT’20). Amsterdam (Netherlands), 2020.
48. O. Ferreira, M.E. Sousa, M. Fernández-Veiga, J.C. López-Ardao. “An assessment of statistical classification for socially oriented learning methodologies”. 12th Intl. Conf. On Computer Supported Education (CSEDU’20). Prague (Czech Republic), 2020.
47. R. Alaa, M. Gawich, M. Fernández-Veiga. “Personalized Recommendation for Online Retail Applications Based on Ontology”. 6th Intl. Conf. On Computer and Technology Applications (ICCTA’20). Antalya (Turkey), 2020
46. O. Ferreira-Pires, E. Sousa Vieira, J.C. López Ardao, M. Fernández-Veiga. “Investigating interaction patterns in educational forums: a social network analysis approach”. 11th Intl. Conf. on Computer Supported Education (CSEDU’19). Heraklion (Greece), 2019.

45. M. Hmila, M. Fernández Veiga, M. Rodríguez Pérez. “Matching-Theory-Based Resource Allocation for Underlay Device to Multi-Device Communications”. *Workshop on Selected Topics in Mobile and Wireless Computing (STWiMob). Co-located with the 14th Intl. Conference on Wireless and mobile computing, networking and communications (WiMob’18)*. Limassol (Cyprus), 2018.
44. M. Hmila, M. Fernández Veiga, M. Rodríguez Pérez. “Distributed resource allocation approach for device-to-device multicast communications”. *14th Intl. Conference on Wireless and mobile computing, networking and communications (WiMob’18)*. Limassol (Cyprus), 2018.
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Entrepreneurial Experience: Co-founder, Social WireLabs, S.L.

Other professional activities

◇ **A. Journal Reviewer:**

- Applied Soft Computing
- Computer Communications
- Computer Networks
- IEEE Access
- IEEE Communications Letters
- IEEE Communications Magazine
- IEEE Transactions on Communications
- IEEE Transactions on Intelligent Transportation Systems
- IEEE Transactions on Mobile Computing
- IEEE Wireless
- Journal of Networks & Computer Applications
- Sensors

◇ **B. Editorial boards**

- Wireless Comm. and Mobile Computing