

Fernando Pérez-González

Universidad de Vigo
Departamento de Teoría de la Señal y
Comunicaciones
E.T.S.E. Telecomunicacion
Campus Universitario
36310 Vigo-SPAIN
Tel: +34-986-812124
FAX: +34-986-812116
fperez@gts.tsc.uvigo.es
<http://www.gts.tsc.uvigo.es/~fperez>



Personal Data

- ◇ **Born:** February 13, 1967.
- ◇ **Country:** Spain.
- Married, 2 sons.

Education:

- ◇ **Ingeniero de Telecomunicación.** Universidad de Santiago de Compostela, Spain, September 1990.
- ◇ **Ph.D. Telecommunications Engineering.** Universidad de Vigo, Spain, June, 1993. Advisors: Prof. Domingo Docampo (University of Vigo) and Prof. Chaouki Abdallah (University of New Mexico).

Experience:

- ◇ **October 2017-December 2022**, Editor in Chief, EURASIP Journal on Information Security.
- ◇ **January 2013-Present**, Research Professor. Electrical and Computer Engineering Department, University of New Mexico, USA.
- ◇ **December 2007 - August 2014**, Founder and Executive Director of GRADIANT (Galician R&D Center in Telecommunications), Semi-private center established by the Galician Regional Government, 3 universities and 11 private companies, with more than 80 staff engineers.
- ◇ **May 2012 - December 2012**, Visiting Professor. Electrical and Computer Engineering Department, University of New Mexico, USA.
- ◇ **May 2009 - April 2012**, Holder of the Prince of Asturias Endowed Chair in Information Sciences and Related Technologies. Electrical and Computer Engineering Department, University of New Mexico, USA.
- ◇ **March 2007 - February 2010**, Program Manager of the National R&D Plan (Electronics and Communication Technologies Program). Spanish Ministry of Science and Innovation. *Overseen annual budget of 21 million Euro.*
- ◇ **December 2000 - Present**, Professor, Communications Technologies Dept. E.T.S.E. Telecomunicación. Universidad de Vigo.
- ◇ **June 2000 - April 2001**. Vice-dean, Higher School of Telecommunications Engineering, Universidad de Vigo.
- ◇ **June 1995-Present**. Founder and leader of the Signal Processing in Communications Group (GPSC), University of Vigo. Currently, the group is formed by two professors, three associate professors, 3 postdoc researchers, and 15 PhD students and research engineers.

- ◇ **January 1995 - December 2000.** Associate Professor, Communications Technologies Dept. Universidad de Vigo.
- ◇ **October 1993 -January 1995.** Assistant Professor, Communications Technologies Dept. Universidad de Vigo.
- ◇ **October 1990-September 1993.** Research Assistant. Communications Technologies Dept. Universidad de Vigo.

Professional Activities:

- ◇ Member, The Institute of Electrical and Electronics Engineers (IEEE).
- ◇ Member, IEEE Signal Processing Society.
- ◇ Member, EURASIP.
- ◇ Member, Association Computing Machinery (ACM).
- ◇ Member, Spanish Institute of Telecommunication Engineers.

Areas of Teaching Experience:

- ◇ Digital Signal Processing.
- ◇ Real-time Signal Processing.
- ◇ Statistical Signal Processing.
- ◇ Adaptive Filters.
- ◇ Digital Communications.
- ◇ Cryptography and Watermarking.
- ◇ Multimedia Security and Forensics.
- ◇ Privacy and Anonymity.

Areas of Research Experience:

- ◇ Robust Stability and Signal Processing.
- ◇ Digital Signal Processors and Architectures.
- ◇ Adaptive Algorithms.
- ◇ Digital Communications.
- ◇ Cognitive Radio.
- ◇ Parameter Estimation from Decentralized Sensors.
- ◇ Watermarking and Data-hiding.
- ◇ Network and Media Forensics.
- ◇ Privacy Enhancing Technologies.

Awards and distinctions:

- ◇ "Enxeño" award for Excellence in telecommunications research and technology transfer to industry, COETTGA, 2024.
- ◇ Fellow, Artificial Intelligence Industry Academy (AIIA), 2023.
- ◇ Fellow, Asia-Pacific Artificial Intelligence Association (AIAA), 2022.
- ◇ Galicia Award for Innovative Career 2021.
- ◇ Fellow, The Institute of Electrical and Electronics Engineers (IEEE), 2016.
- ◇ Member, Galician Royal Academy of Sciences, 2014.
- ◇ "Engineer of the Year", Galician Institute of Telecommunication Engineers, 2011.

- ◇ Galician Institute of Telecommunication Engineers Award to Best Product in Information and Communication Technologies, Bit Oceans' "Fividoc" printed document protection, 2008.
- ◇ University of Santiago Award for Entrepreneurship, Bit Oceans, 2008.
- ◇ Intensification of Research Activity (I3 grant by the Spanish Ministry of Education and Science), 2006-2007.
- ◇ GaliciaTIC 2005 Award for Digital Innovation.
- ◇ 2001 E.T.S.E.T. Award for Cooperation with Industry.
- ◇ MITE 2000 Award for Entrepreneurship.
- ◇ 2000 E.T.S.E.T. Award for Cooperation with Industry.
- ◇ Research Fellowship given by the National Plan for Researcher Training, January 1991-September 1993.

Scientific Awards:

- ◇ A. Pedrouzo-Ulloa, F. Pérez-González and D. Vázquez-Padín. *Secure Collaborative Camera Attribution*. European Interdisciplinary Cybersecurity Conference (EICC), June 2022. Best Poster Award.
- ◇ A. Pedrouzo-Ulloa, J.R. Troncoso-Pastoriza, N. Gama, M. Georgieva, F. Pérez-González, *Revisiting multivariate ring learning with errors and its applications on lattice-based cryptography*, Ernesto Vieitez Cortizo Award to Best Research Work, Royal Galician Academy of Sciences, October 2021.
- ◇ A. Pedrouzo-Ulloa, M. Masciopinto, J.R. Troncoso and F. Pérez-González. *A Review of 'Camera Attribution Forensic Analyzer in the Encrypted Domain'*. 6th Spanish Conference on Cybersecurity (JNIC), June 2021. Best Published Paper Award.
- ◇ A. Pedrouzo-Ulloa, M. Masciopinto, J.R. Troncoso and F. Pérez-González. *Camera Attribution Forensic Analyzer in the Encrypted Domain*. 10th IEEE International Workshop on Information Forensics and Security, WIFS 2018, Hong-Kong, December 2018. Best Paper Award.
- ◇ P. Comesaña and F. Pérez-González. *The Optimal Attack to Histogram-based Forensic Detectors is Simple(x)*. 6th IEEE International Workshop on Information Forensics and Security, WIFS14, Atlanta, GA, December 2014. Best Paper Award.
- ◇ J. Elices, F. Pérez-González and C. Troncoso. *Fingerprinting TOR's Hidden Service Log Files Using a Timing Channel*. IEEE Intl. Workshop on Information Forensics and Security, WIFS'11, Foz de Iguazu, Brazil, November-December 2011. Gold Award to Best Student Paper.
- ◇ P. Comesaña, F. Pérez-González and C.T. Abdallah. *Witsenhausen's Counterexample and its Links with Multimedia Security Problems*. International Workshop on Digital-forensics and Watermarking, IWDW11, Atlantic City, New Jersey, October 2011. Best Paper Award.
- ◇ L. Pérez-Freire and F. Pérez-González, *Spread Spectrum Watermarking Security*, IEEE Transactions on Information Forensics and Security, 4(1):2-24, March 2009. Nominated by the IFS-TC (Information Forensics and Security Technical Committee) to the IEEE Signal Processing Society Young Author Best Paper Award.
- ◇ L. Pérez-Freire and F. Pérez-González. *Exploiting security holes in lattice data hiding*. 7th Information Hiding Workshop. Saint-Malo, France, June 2007. Best Young Researcher Paper Award.

Citation Metrics:

- ◇ **Google Scholar**. Total citations: 6924, h-index: 40, i10-index: 132.
- ◇ **Scopus (excluding self-citations)**. Total citations: 3317, h-index: 30.

**Short
Courses:**

- ◇ **Privacy 101, with Trumpets and Truffles – An Introduction to Differential Privacy and Homomorphic Encryption, and Applications in Federated Learning.** Half-day Tutorial at IEEE Workshop on Information Forensics and Security (WIFS), Rome, 2024.
- ◇ **Data Hiding, Media Forensics and Privacy**, 6 hour course, Applied Science Private University, Amman, Jordan, 2023.
- ◇ **Satistical Multimedia Security and Forensics**, 20 hour PhD course, University of Trento, 2023.
- ◇ **Digital Image and Video Forensic Science**, Cyberwall Academy, European Cyber-crime Training and Education Group and Spanish National Police Academy, 2021.
- ◇ **5G Physical Layer**, Specialization Course on 5G, University of Vigo, 2020.
- ◇ **Location Privacy: Threats and Opportunities**, with Simón Oya. Half-day Tutorial at IEEE Workshop on Information Forensics and Security (WIFS), Hong-Kong, 2018.
- ◇ **Grissom in Awe: The CSI Effect and Media Forensics**, IEEE/EURASIP Summer School on Signal Processing, Cavalese, Italy, 2016.
- ◇ **Adversarial Signal Processing**, with M. Barni. Half-day Tutorial at IEEE Workshop on Information Forensics and Security (WIFS), Rome, Italy, 2015.
- ◇ **Statistical Signal Processing for Multimedia Forensics and Security**, 20 hour PhD course, Politecnico di Milano, 2015.
- ◇ **Security Issues in Digital Watermarking**, with M. Barni. Half-day Tutorial at IEEE International Conference on Image Processing (ICIP), Genoa, Italy, 2005.
- ◇ **Multimedia Information Protection**, 2001, Universidad Carlos III, Madrid, Spain.
- ◇ **Digital Communications**, 1998, Galician Public Television Company.
- ◇ **Digital Television**, 1997, 1998, Universidad de La Coruña, Spain.
- ◇ **Digital Cryptography**, 1995, Electronic Military Council, Madrid, Spain

**Invited
Talks:**

- ◇ **Black boxes and Confirmation Bias in Media Forensics**, 4th International Forensics Summer School, IFOSS, Punta Sampieri, Sicily, Italy, 2025.
- ◇ **The Case for Privacy: Why It Matters More Than You Think and How to Protect It**, TRUMPET Exchange Talks Webinar, 2025.
- ◇ **What's up with image and video forensics?**, EURASIP Journal on Image and Video Processing Webinar, 2023.
- ◇ **Media Forensics: Digging Up the Invisible**, Keynote at 3rd Novel Intelligent and Leading Emerging Sciences Conference (NILES) 2021, Cairo, Egypt, 2021.
- ◇ **A Walk on the Wild Side of Camera Attribution**, Keynote at 1st MultiMedia FORensics in the WILD (MMForWILD) 2020 Workshop, organized in conjunction with ICPR2020 The 25th International Conference on Pattern Recognition, Milan, Italy, 2021
- ◇ **Location Technologies for the Pandemics**, Webinar at University of Santiago de Compostela, Spain, 2020.
- ◇ **Privacy and Utility in Contact Tracing Apps**, Webinar at Real Academia Galega de Ciencias, 2020.
- ◇ **Backstabbing Image Forensics**, Keynote at 19th International Conference on Image Analysis and Processing (ICIAP), Catania, Sicilia, Italy, 2017.
- ◇ **Location Privacy. Where do we stand and where are we going?**, Keynote Talk at First EAI International Conference on Security and Privacy in New Computing Environments (SNPCE'16), Guangzhou, China, 2016; Lecture at Sun Yat-Sen University, Guangzhou, China, 2016; Lecture at Shenzhen University, Shenzhen, China, 2016.

- ◇ **Privacy as a Business**, Galician ICT Specialization Forum, Santiago de Compostela, Spain, 2016.
- ◇ **Adversarial Signal Processing**, Contact Forum “Coding Theory and Cryptography VI”, The Royal Flemish Academy of Belgium for Science and the Arts, Brussels, Belgium, 2015, and IMDEA Software Center, Madrid, 2016.
- ◇ **More than Meets the Eye. Photoshop and the New Science of Media Forensics**, Commencement Speech Year 2015, Galician Royal Academy of Sciences, Santiago de Compostela, Spain, 2015.
- ◇ **Shannon’s Ultimate Riddle**, Inaugural Address, Galician Royal Academy of Sciences, Santiago de Compostela, Spain, 2014.
- ◇ **The Illusion of Longitude**, Barrié Foundation, A Coruña, Spain, 2012, and Health Research Institute, Santtiago de Compostela, Spain, 2012.
- ◇ **When Seeing is not Believing**, Club Faro de Vigo, Spain, 2012.
- ◇ **Media Forensic Science: How to Prove the Authenticity and Integrity of Media Objects**, Spanish National Police Days, Vigo, Spain, 2012.
- ◇ **The Galician ICT Sector**, Regional innovation systems: from vision to reality. Second Conference of the Forum di Torino, Santiago de Compostela, 2009.
- ◇ **Informed Data Hiding: There’s Plenty of Room at the Bottom**, University of New Mexico, 2008.
- ◇ **The End of Telecommunications**, Summer Courses, Pontevedra, Spain, 2008.
- ◇ **Information and Communication Technologies in Galicia**, Galician Culture Council, Santiago, Spain, 2008.
- ◇ **Security Topics in Digital Watermarking and Data Hiding**, ECRYPT Summer School, Thessaloniki, Greece, 2007.
- ◇ **Watermarking Can Kill**, University of New Mexico, 2006.
- ◇ **Benford’s Law: The Digits that Came from Heaven**, University of New Mexico, 2006.
- ◇ **The Disappearance of Digital Rights**, Spanish Royal Academy of Engineering, Madrid, 2006.
- ◇ **Methods and Techniques for digital Content Protection**, Fundación Abertis, Madrid, 2006.
- ◇ **Put a Watermark in your Life**, Ecole Supérieure des Communications, Tunis, 2005.
- ◇ **Deconstructing the Man-machine**, Summer Courses, Pontevedra, Spain, 2004.
- ◇ **Costa on the Real Line: Misconceptions and Perspectives**, Université de Geneva, Switzerland, 2004.
- ◇ **Spread-spectrum vs. Quantization-based Watermarking: Facts and Misconceptions**, University College Dublin, 2004.
- ◇ **Analytical Tools for Data Hiding Methods**, Information Communication University, Taejon, Korea, 2003.
- ◇ **The Importance of Aliasing in Structured Quantization Index Modulation Data Hiding**, Keynote Lecture at 2nd International Workshop on Digital Watermarking, Seoul, Korea, 2003.
- ◇ **Signal Processing Techniques for Multicarrier Modulations**, Universidad Carlos III, Madrid, Spain, 2003.
- ◇ **The Importance of Modular Probability Density Functions in Data Hiding Applications**, Université de Geneva, Switzerland, 2003.

- ◇ **Capacity Limits in Watermarking**, CAST Forum, Darmstadt, Germany, 2002.
- ◇ **Security in Mobile Communication Systems**, Summer Courses, Santander, Spain, 2001.
- ◇ **Multimedia Information Protection**, XVI Summer Courses, Laredo, Spain, 2000.

**Major
Professor:**

◇ **Ph.D. Students**

14. Andrea Montibeller. Dissertation: *On the Relevance of Temporal Information in Multimedia Forensics in the Age of AI*, Co-advised with Giulia Boato, Università di Trento, 2024.
13. Mina Namaziesfanjani. Dissertation: *Secure Signal Processing for Genomic Data Protection*, Co-advised with Erman Ayday, 2020.
12. Alberto Pedrouzo-Ulloa. Dissertation: *Homomorphic Lattice Cryptosystems for Secure Signal Processing*. Co-advised with Juan R. Troncoso-Pastoriza, 2019.
11. Simón Oya. Dissertation: *A Statistical Approach to the Design of Privacy Preserving Services*. Co-advised with Carmela Troncoso, 2019.
10. David Vázquez-Padín. Dissertation: *Detection of Image Resampling and Video Encoding Footprints for Forensic Applications*, 2016.
9. Gabriel Domínguez-Conde. Dissertation: *Flat Fading Channel Estimation Based On Dirty Paper Coding*. Co-advised with Pedro Comesaña, 2016.
8. Juan Elices. Dissertation: *Neyman-Pearson Decision in Traffic Analysis*, University of New Mexico, 2014.
7. Juan-Ramón Troncoso-Pastoriza. Dissertation: *Encrypted Domain Processing for Signal Processing Applications*, 2012 (awarded best Ph.D. Thesis in Spain in Telecommunication Networks and Services by the Spanish Institute of Telecommunications Engineers).
6. Luis Pérez-Freire. Dissertation: *Digital Watermarking Security*, 2008 (awarded best Ph.D. Thesis in Spain in Management, Economy and Regulation of Telecommunications by the Spanish Institute of Telecommunications Engineers).
5. Pedro Comesaña. Dissertation: *Side-Informed Data Hiding: Robustness and Security Analysis*, 2006 (awarded best Ph.D. Thesis in Spain in Security and Defense by the Spanish Institute of Telecommunications Engineers).
4. Félix Balado. Dissertation: *Digital Image Data Hiding using Side Information*, 2003.
3. Roberto López-Valcarce. Dissertation: *Adaptive Algorithms for Identification and Equalization using Recursive Filters*, 2001.
2. Juan Ramón Hernández. Dissertation: *Invisible Watermarking Techniques for Author Rights Protection* (in Spanish), 1998 (awarded best Ph.D. Thesis in Spain in Electronic Commerce by the Spanish Institute of Telecommunications Engineers).
1. Carlos Mosquera. Dissertation: *SPR Condition Relaxation in Recursive Adaptive Filtering* (in Spanish), 1998.

◇ **M.S. Students**

- Adviser of more than 50 Students with M.S. Thesis.

**Funded
Research
Projects:**

- ◇ **FAIR-Y: Development of Tools for Detecting Generative AI And Deepfakes**. Principal Investigators: Fernando Pérez-González and José Luis Alba Castro. Funded by: Gradient, 2024. Amount: 534,623 Euro

- ◇ *TRUFFLES: Trusted Framework for Federated Learning Systems*. Principal Investigators: Rebeca Díaz-Redondo and Fernando Pérez-González. Funding: Spanish Government, through the Recovery, Transformation, and Resilience Plan, financed by the European Union (Next Generation), 2023. Amount: 366,660 Euro.
- ◇ *FELDSPAR: Federated Learning with Model Ownership Protection and Privacy Armoring*. Principal Investigator: Fernando Pérez-González. Funding: Spanish Ministry of Science and Innovation, Ecology and Digital Transition Projects, 2022. Amount: 209,415 Euro.
- ◇ *TRUMPET: A TRUStworthy Multi-site Privacy Enhancing Technologies*. Principal Investigator: Fernando Pérez-González. Funded by: European Union, Horizon Europe, Project No: 101070038. Participants: Gradient, Spain, and 8 other partners. Amount: 504,000 Euro.
- ◇ *Research Agreement between University of Vigo and Jumio Corporation-2*. Principal Investigator: Fernando Pérez-González. Funding: Jumio (USA), 2021. Amount: 100,000 Euro.
- ◇ *Competitive Reference Groups*. Principal Investigator: Fernando Pérez-González. Funded by: Xunta de Galicia (Regional Gov.), 2017. Amount: 280,000 Euro.
- ◇ *UNCOVER: Development of an Efficient Steganalysis Framework for Uncovering Hidden Data in Digital Media*. Principal Investigators: Fernando Pérez-González and David Vázquez-Padín. Funded by: European Union. Project No. 101021687, Call H2020-SU-SEC-2020, 2021. Participants: Royal Military Academy, Belgium, and 20 other partners. Amount: 335,500 Euro.
- ◇ *Research Agreement between University of Vigo and Jumio Corporation*. Principal Investigator: Fernando Pérez-González. Funding: Jumio (USA), 2021. Amount: 65,000 Euro.
- ◇ *Performance Analysis and Evaluation for the Production System of the Galician Public Television*. Principal Investigators: Fernando Pérez-González and Domingo Docampo. Funded by: Galician Public Television, 2020. Amount: 13,700 Euro.
- ◇ *Stability Analysis and Evaluation for the Production System of the Galician Public Television*. Principal Investigators: Fernando Pérez-González and Domingo Docampo. Funded by: Galician Public Television, 2020. Amount: 15,000 Euro.
- ◇ *ATTRIBUTE: Research on Information Protection Modules and Fraud Detection*. Principal Investigator: Fernando Pérez-González. Funded by: Gradient, 2018. Amount: 40,000 Euro.
- ◇ *AIDFORK: Lifting and Transferring an Analytic Media Forensic Kit*. Principal Investigator: Fernando Pérez-González. Funded by: Xunta de Galicia (Regional Gov.), IGNICIA Proof of Concept Call, 2019. Amount: 360,000 Euro.
- ◇ *NOMINATE: Information Rights Management Advanced System 2*. Principal Investigator: Fernando Pérez-González. Funded by: Gradient, 2018. Amount: 20,000 Euro.
- ◇ *MSM-IRMAS: Information Rights Management Advanced System*. Principal Investigator: Fernando Pérez-González. Funded by: Gradient, 2017. Amount: 55,400 Euro.
- ◇ *Facial Anti-Spoofing*. Principal Investigator: Fernando Pérez-González. Funded by: Gradient, 2017. Amount: 4,600 Euro.
- ◇ *Competitive Reference Groups*. Principal Investigator: Fernando Pérez-González. Funded by: Xunta de Galicia (Regional Gov.), 2017. Amount: 400,000 Euro.
- ◇ *CHAMACO: Noise Detection in Images*. Principal Investigator: Fernando Pérez-González. Funded by: Gradient, 2017. Amount: 26,000 Euro.
- ◇ *Draft Map of Skills for the Aeronautical Sector in Galicia*. Principal Investigator: Fernando Pérez-González. Funded by: Galician Regional Government, 2015. Amount: 8,000 Euro.

- ◇ *DIFFERENT: Interferenceless Digital Terrestrial Television by Combining Analog and Digital Filtering with Signal Enhancement and Transmit Noise Removal*. Principal Investigator: Fernando Pérez-González. Funded by: Televes, 2015. Amount: 44,550 Euro.
- ◇ *COMONSENS Network*. Principal investigator: Roberto López Valcarce. Funded by: Spanish Ministry of Science and Innovation, 2014. Amount: 51,500 Euro.
- ◇ *AtlantTIC: Consolidation and Structuring of Competitive Research Units (Strategic Clusters)*. Principal Investigator: Nuria González-Prelcic. Funded by: Regional Government, 2014. Amount: 900,000 Euro
- ◇ *WITDOM: Empowering Privacy and Security in Non-trusted Environments*. Principal Investigators: Fernando Pérez-González and Juan Troncoso. Funded by: European Union, H2020 Framework Programme, 2015. Amount: 530,687 Euro.
- ◇ *RedTEIC: Network on Emerging Technologies on Information and Communications*. Principal investigators: Adriana Dapena, Fernando Pérez-González, Javier González and Richard Duro. Funded by: Galician Regional Government, 2014. Amount: 200,000 Euro.
- ◇ *COMPASS: Communications and Signal Processing in Adverse Scenarios*. Principal investigator: Roberto López Valcarce. Funded by: Spanish Ministry of Science and Innovation, 2014. Amount: 169,100 Euro.
- ◇ *TACTICA: Boosting the Galician ICT Hub*. Principal Investigator: Nuria González-Prelcic. Responsible for Workpackage 7 (Privacy Enhancing Technologies): Fernando Pérez-González. Funded by: European Development Fund. Amount: 8,800,000 Euro.
- ◇ *NIFTY: Novel Image/Foto Forensic Tools for fighting against child pornography*. Principal Investigators: Fernando Pérez-González and Pedro Comesaña. Funded by: European Union, 7th Framework Programme, 2013. Amount: 130,391 Euro.
- ◇ *Competitive Reference Groups*. Principal Investigator: Fernando Pérez-González. Funded by: Xunta de Galicia (Regional Gov.), 2013. Amount: 370,000 Euro.
- ◇ *SCAPE: Securing the Cloud with Automated Privacy Enhancement*. Principal Investigators: Fernando Pérez-González and Javier González Castaño. Funded by: Barrié Foundation, 2012. Amount: 435,080 Euro
- ◇ *AtlantTIC: Consolidation and Structuring of Competitive Research Units (Strategic Clusters)* Principal Investigators: Nuria González-Prelcic. Funded by: Regional Government, 2012. Amount: 500,000 Euro
- ◇ *PRISMED: Medical Data Privacy and Security in Unsecure Environments*. Principal Investigators: Fernando Pérez-González. Funded by: Spanish Ministry of Science and Innovation, INNPACTO subprogram, 2011. Amount: 73,150 Euro
- ◇ *REWIND: Reverse Engineering of Audio-visual Content Data*. Principal Investigator: Fernando Pérez-González. Funded by: European Union, 7th Framework Programme, Open-FET Call, 2011. Amount: 301,464 Euro
- ◇ *DYNACS: Dynamic Spectrum Access and Cognitive Communications*. Principal Investigator: Roberto López-Valcarce. Funded by: Spanish Ministry of Science and Innovation, 2011. Amount: 217,600 Euro
- ◇ *SCALLOPS: Channel Estimation with Dirty Paper Codes*. Principal Investigator: Fernando Pérez-González. Funded by: Xunta de Galicia (Regional Gov.), 2010. Amount: 66,870 Euro.
- ◇ *Competitive Reference Groups*. Principal Investigator: Fernando Pérez-González. Funded by: Xunta de Galicia (Regional Gov.), 2010. Amount: 168,000 Euro.
- ◇ *Printed Digital Signature*. Principal Investigator: Fernando Pérez-González. Funded by: Bit Oceans Research S.L., 2010. Amount: 53,362 Euro.

- ◇ *CHIST- ERA: European Coordinated Research on Long-term Challenges in Information and Communication Sciences and Technologies*. Steering Board Member: Fernando Pérez-González. Funded by: European Union, 7th Framework Programme, 2009. Amount: 117,646 Euro.
- ◇ *System for Management and Distribution of IP Services over Cable Networks*. Principal Investigator: Fernando Pérez-González. Funded by: Televés, S.A., 2009. Amount: 425,646 Euro.
- ◇ *ACETIC: Cluster in Information and Communication Technologies Engineering*. Principal Investigator: Nuria González-Prelcic. Funded by: Xunta de Galicia (Regional Gov.), 2009. Amount: 750,000 Euro.
- ◇ *MPEG2-TS Multiplexer*. Principal Investigator: Fernando Pérez-González. Funded by: Televés, S.A., 2009. Amount: 73,022 Euro.
- ◇ *SAFECLOUD: Security and Privacy with Encrypted Processing Technologies in Cloud Computing*. Principal Investigator: Fernando Pérez-González. Funded by: Xunta de Galicia (Regional Gov.), 2009. Amount: 164,843 Euro.
- ◇ *Galician Research and Development Center in Advanced Telecomms*. Principal Investigator: Fernando Pérez-González. Funded by: Xunta de Galicia (Regional Gov.), 2008. Amount: 2,484,500 Euro over 3 years.
- ◇ *MIND-GAP5: Research on multimedia technologies for the Galician industry in the next 5 years*. Principal Investigator: Javier Gonzalez-Castaño. Funded by: Regional Government, 2008. Amount: 184,500 Euro.
- ◇ *REEFS: Sensor networks for spectral monitoring using FPGAs*. Principal Investigator: Carlos Mosquera. Funded by: Regional Government, 2008. Amount: 165,500 Euro.
- ◇ *Echo Cancellor in Intermediate Frequency*. Principal Investigator: Roberto López-Valcarce. Funded by: Tredess 2010, S.L., 2008. Amount: 74,000 Euro.
- ◇ *Development of an IP Platform for Multimedia Services Reception*. Principal Investigator: Javier González-Castaño. Funded by: Arantia, S.L., 2008. Amount: 160,000 Euro.
- ◇ *Consolidation of Technology Platform*. Principal investigator: Fernando Pérez-González. Funded by: Regional Government, 2008. Amount: 180,000 Euro.
- ◇ *Strategic Plan for Technology Platform*. Principal Investigator: Fernando Pérez-González. Funded by: Spanish Ministry of Industry. Amount: 100,000 Euro.
- ◇ *Scanphone: Antifraud systems with Mobile Phones*. Principal Investigator: Fernando Pérez-González. Funded by: Bit Oceans Research, S.L., 2008. Amount: 39,675 Euro.
- ◇ *Cable Networks Impedance Mismatch Location*. Principal investigator: Fernando Pérez-González. Funded by: Gsertel, 2008. Amount: 34,000 Euro.
- ◇ *Lightweight Software-defined Cable Modem*. Principal investigator: Fernando Pérez-González. Funded by: Televés, 2008. Amount: 99,000 Euro.
- ◇ *COMONSENS: Foundations and Methodologies for Future Communication and Sensor Networks*. Principal investigator: Roberto López-Valcarce and Javier Rodríguez-Fonollosa. Funded by: Spanish Ministry of Science and Innovation, 2008. Amount: 243,000 Euro.
- ◇ *FACTICA: Active Tools for Trusted Multimedia*. Principal investigator: Fernando Pérez-González. Funded by: Galician Regional Government, 2008. Amount: 95,933 Euro.
- ◇ *Mobile Digital Television Reception/Retransmission with the Emerging Standard DVB-H*. Principal investigator: Carlos Mosquera. Funded by: Galician Regional Government, 2008. Amount: 93,564 Euro.
- ◇ *SPROACTIVE: Advanced Signal Processing Techniques for Cognitive Radio*. Principal investigator: Roberto López-Valcarce. Funded by: Spanish NSF, 2007. Amount: 276,606 Euro.

- ◇ *Consolidation of the Galician ICT Technology Platform*. Principal investigator: Fernando Pérez-González and Javier González Castaño. Funded by: Galician Regional Government, 2008. Amount: 122,346 Euro.
- ◇ *REGACOM: Galician Network in Communications Engineering*. Principal investigators: Luis Castedo, Fernando Pérez-González, Javier González and Víctor Gulías. Funded by: Galician Regional Government, 2008. Amount: 180,000 Euro.
- ◇ *E2E RM (End to End Rights Management) Interoperable Platform*. Principal investigator: Fernando Pérez-González. Funded by: SDAE and Microgenesis, 2007. Amount: 72,200 Euro.
- ◇ *CINNEO: Audiovisual Contents Distribution Digital Platform for DCI Standards*. Principal investigator: Fernando Pérez-González. Funded by: SDAE and Microgenesis, 2007. Amount: 55,200 Euro.
- ◇ *Watermarking for videosupervision system embedded in IP cameras with different architectures*. Principal investigator: Fernando Pérez-González. Funded by: Tredess 2010, S.L., 2007. Amount: 27,520 Euro.
- ◇ *Viability study of a management and distribution system of IP services in cable networks*. Principal investigator: Fernando Pérez-González. Funded by: Televés S.A., 2007. Amount: 55,040 Euro.
- ◇ *Viability study for an integral communications system in TV distribution networks*. Principal investigator: Fernando Pérez-González. Funded by: Televés S.A., 2007. Amount: 27,520 Euro.
- ◇ *Programmable hardware architecture for IP streaming of digital television signals*. Principal investigator: Fernando Pérez-González. Funded by: Televés S.A., 2007-2008. Amount: 52,285 Euro.
- ◇ *Robust spectral shaping for communication equipment*. Principal investigator: Roberto López-Valcarce. Funded by: Tredess 2010, S.L., 2007. Amount: 55,040 Euro.
- ◇ *Consolidation and structuring of competitive research units (Competitive reference group)*. Principal investigator: Fernando Pérez-González. Funded by: Galician Regional Government, 2006-2009. Amount: 340,000 Euro.
- ◇ *Creation of the Galician Technology Platform on ICTs*. Principal investigators: Fernando Pérez-González and Javier González Castaño. Funded by: Galician Supercomputing Center, 2006-2007. Amount: 40,600 Euro.
- ◇ *Watermarking for surveillance systems*. Principal investigator: Fernando Pérez-González. Funded by: Tredess 2010 S.L., 2006-2007. Amount: 17,350 Euro.
- ◇ *Service management and DVB-T modulator on FPGA architectures*. Principal investigator: Fernando Pérez-González. Funded by: Televés S.A., 2006-2007. Amount: 56,250 Euro.
- ◇ *Research Contract in Telecommunications*. Principal investigator: Fernando Pérez-González. Funded by: TELCOR, 2005-2007. Amount: 615,000 Euro.
- ◇ *Research Reference Groups*. Principal investigator: Fernando Pérez-González. Funded by: Galician Regional Government, 2005-2008. Amount: 43,200 Euro.
- ◇ *DIPSTICK: Theory and Applications of Dirty Paper Signaling*. Principal investigator: Carlos Mosquera. Funded by: Spanish National Science Foundation, 2004-2007. Amount: 171,260 Euro.
- ◇ *R&D Contract in Telecommunications*. Principal investigator: F. Pérez-González. Funded by: Televés S.A., 2004-2005. Amount: 72,000 Euro.
- ◇ *SEQRDOCS: Watermarking Technologies and 2-D Barcodes for Printed Document Security*. Principal investigator: F. Pérez-González. Funded by: Galician Regional Government, 2004-2007. Amount: 70,000 Euro.

- ◇ *ECRYPT: European Network of Excellence on Cryptology*. Principal investigator (UVIGO): F. Pérez-González. Funded by: European Union, 6th Frame Program, 2004-2008. Amount: 88,000 Euro.
- ◇ *Viability study of the creation of a research center in telecommunications in Galicia*. Principal investigator: F. Pérez-González. Funded by: Galician Regional Government, 2004-2005. Amount: 50,000.
- ◇ *IM3 Network: Medical Images and Multimodality Network*. Principal investigator (UVIGO): F. Pérez-González. Funded by: Spanish Ministry of Healthcare, 2003-2005. Amount: 6,300 EURO.
- ◇ *Transport Stream Filtering and PDA Interface*. Principal investigator: F. Pérez-González. Funded by: Televés, S.A., 2003-2003. Amount: 2,210 Euro.
- ◇ *AMULET: Multiresolution Analysis for Signal Processing and Digital Communications*. Co-principal investigators: N. González Prelcic and F. Pérez-González. Funded by: Spanish Science Foundation, 2002-2004. Amount: 127,400 US\$.
- ◇ *MPEG-2 In-Building Video Delivery System*. Principal investigator: F. Pérez-González. Funded by: Televés, S.A., 2002-2004. Amount: 62,800 US\$.
- ◇ *Design of a Wireless Distribution System for Digital Music*. Principal investigator: F. Pérez-González. Funded by: Televés, S.A., 2002-2004. Amount: 55,700 US\$.
- ◇ *CERTIMARK: Certification for Watermarking Techniques*. Co-principal investigator: F. Pérez-González. Funded by: European Union, IST Program, 2000-2002. Amount: 209,200 US\$.
- ◇ *Design of a Digital Radio Transmitter*. Principal investigator: F. Pérez-González. Funded by: Intelsis, S.A.; MIER S.A.; BTESA, 1999-2001. Amount: 196,950 US\$.
- ◇ *An Electronic System for Copyright Protection of Multimedia Information*. Principal investigator: F. Pérez-González. Funded by: Regional Government, 1999-2001. Amount: 66,230 US\$.
- ◇ *Analysis, Simulation and Validation of a Trial Digital Terrestrial Television Trial Network, Including the Design and Development of a COFDM Receiver*. Principal investigator: F. Pérez-González. Funded by: European Union Funds for Regional Development and National NSF, 1999-2001. Amount: 376,500 US\$.
- ◇ *Digital Terrestrial TV Network Planning for Mobile Receivers*. Principal investigator: F. Pérez-González. Funded by: Televés, S.A., 1999-2000. Amount: 94,200 US\$.
- ◇ *Authentication Protocols for a Wireless Smart Card*. Principal investigator: F. Pérez-González. Funded by: Motorola Inc., 1998. Amount: 8,000 US\$.
- ◇ *Adaptive Recursive Structures for Equalization in Digital Communications*. Co-principal investigators: F. Pérez-González and Juan E. Cousseau. Funded by: Institute for Iberoamerican Cooperation, 1998. Amount: 7,000 US\$.
- ◇ *Research and Proposal for the Development of Digital Television Throughout Galicia*. Principal investigator: F. Pérez-González. Funded by: Regional Government (Communications Ministry), 1997-1999. Amount: 42,000 US\$.
- ◇ *Hardware/Software Tools for Digital Television Systems*. Principal investigator: F. Pérez-González. Funded by: Televés, S.A., 1997-1999. Amount: 55,800 US\$.
- ◇ *Protocol Analysis and Specification for Domotic Applications*. Funded by: TELEVES S.A. Principal investigator: F. Pérez-González. Funded by: Televés, S.A., 1997-1998. Amount: 23,000 US\$.
- ◇ *Development of a C-code Simulator for the DVB-T Standard*. Principal investigator: F. Pérez-González. Funded by: LG Electronics, South Korea, 1997. Amount: 24,000 US\$.

- ◇ *Digital/Analog Transmodulator Design for SMATV Headends*. Funded by: TELEVES S.A. Principal investigator: F. Pérez-González. Funded by: Televés, S.A., 1997. Amount: 25,000 US\$.
- ◇ *Application of Natural Process Algorithms to Prediction, Decision and Communications*. Principal investigator: F. Pérez-González. Funded by: National Research Program on Information Technologies and Communications (PRONTIC), 1996-99. Amount: 85,000 US\$.
- ◇ *Antennas and Equalizers for the Digital Television Distribution Networks*. Co-principal investigators: F. Pérez-González and M. García-Sánchez. Funded by: Televés, S.A., 1995-96. Amount: 36,000 US\$.
- ◇ *Development of ASICS for Encryption and Decryption of Digital Television Signals*. Principal investigator: F. Pérez-González. Funded by: Televés, S.A., 1995-96. Amount: 68,000 US\$.
- ◇ *Robust Identification Algorithms and Adaptive Recursive Filters in Multipath Channels*. Principal investigator: F. Pérez-González. Funded by: Galician Regional Government 1995. Amount: 25,000 US\$.
- ◇ *MULTICOM 2000*. Co-principal investigators: D. Docampo and F. Pérez-González. Funded by: Northern Telecom, 1994-95. Amount: 50,000 US\$.
- ◇ *Design and Implementation of a QPSK Demodulator for Digital Broadcasting Satellite Television*. Principal investigator: F. Pérez-González. Funded by: Televés, S.A., 1994-95. Amount: 61,000 US\$.
- ◇ *Coding and Receiver Architectures for Digital Mobile Communications*. Principal investigator: D. Docampo. Funded by: Galician Regional Government, 1994-95. Amount: 35,000 US\$.
- ◇ *Characterization and Equalization of Channels in Point-Multipoint Systems*. Principal investigator: A. Artés. Funded by: Alcatel, 1994. Amount: 15,000 US\$.
- ◇ *Design of a Demodulator for a Contribution Link for HDTV*. Co-principal investigators: A. Artés and D. Docampo. Funded by: Televés, S.A., 1992-93. Amount: 125,000 US\$.
- ◇ *Analysis and Simulation of Adaptive Equalizing Procedures for Point to Multipoint Systems*. Co-principal investigators: A. Artés and D. Docampo. Funded by: Telettra, S.A., 1991-92. Amount: 30,000 US\$

Visited

Institutions:

- ◇ **January 2023-June 2023**, Department of Information Engineering and Computer Science, University of Trento, Italy, Visiting Professor.
- ◇ **July 2006-September 2006**, Electrical and Computer Engineering Department. University of New Mexico, U.S.A., Visiting Scholar.
- ◇ **February 1992-June 1992**, Electrical and Computer Engineering Department. University of New Mexico, U.S.A., granted by the Spanish National Research Plan.
- ◇ **February 1991-June 1991**, Electrical and Computer Engineering Department. University of New Mexico, U.S.A., granted by the Spanish National Research Plan.

Publications: ◇ **A. BOOKS**

15. F. Pérez-González, P. Comesaña-Alfaro, C. Krätzer, H. V. Zhao, Eds. *Proceedings of the ACM Workshop on Information Hiding and Multimedia Security, IH&MMSec 2024, Baiona, Spain, June 24-26, 2024*. ACM 2024.
14. F. Pérez-González, P. Bas, T. Ignatenko, F. Cayre, Eds. *Proceedings of the 4th ACM Workshop on Information Hiding and Multimedia Security, IH&MMSec 2016, Vigo, Galicia, Spain, June 20-22, 2016*. ACM 2016

13. Y.Q. Shi, H.J. Kim, F. Pérez-González, F. Liu, Eds. *Digital Forensics and Watermarking - 15th International Workshop, IWDW 2016, Beijing, China, September 17-19, 2016, Revised Selected Papers*, Springer-Verlag. Series: Lecture Notes in Computer Science Vol. 10082, 2017
 12. Y.Q. Shi, H.J. Kim, F. Pérez-González and I. Echizen, Eds. *Digital Forensics and Watermarking. 13th International Workshop, IWDW 2015, Tokyo, Japan, October 7-10, 2015, Revised Selected Papers*, Springer-Verlag. Series: Lecture Notes in Computer Science, Vol. 9569, 2016.
 11. Y.Q. Shi, H.J. Kim, F. Pérez-González and C.N. Yang, Eds. *Digital Forensics and Watermarking. 13th International Workshop, IWDW 2014, Taiwan, Taipei, October 7-10, 2014, Revised Selected Papers*, Springer-Verlag. Series: Lecture Notes in Computer Science, Vol. 9023, 2015.
 10. Y.Q. Shi, H.J. Kim and F. Pérez-González, Eds. *Digital Forensics and Watermarking. 12th International Workshop, IWDW 2013 Auckland, New Zealand, October 1-4, 2013, Revised Selected Papers*, Springer-Verlag. Series: Lecture Notes in Computer Science, Vol. 8389, 2014.
 9. Y.Q. Shi, H.J. Kim and F. Pérez-González, Eds. *Digital Forensics and Watermarking. 11th International Workshop, IWDW 2012 Shanghai, China, October 31- November 2, 2012, Revised Selected Papers*, Springer-Verlag. Series: Lecture Notes in Computer Science, Vol. 7809, 2013.
 8. Y.Q. Shi, H.J. Kim and F. Pérez-González, Eds. *Digital Forensics and Watermarking. 10th International Workshop, IWDW 2011 Atlantic City, NJ, USA, October 23-26, 2011, Revised Selected Papers*, Springer-Verlag. Series: Lecture Notes in Computer Science, Vol. 7128, 2012.
 7. A. Artés, F. Pérez-González et al. *Digital Communications (in Spanish)*, Pearson, 2007.
 6. M. Barni, J. Herrera Joancomartí, S. Katzenbeisser and F. Pérez-González, Eds. *Information Hiding. 7th International Workshop, IH 2005, Barcelona, Spain, June 6-8, 2005, Revised Selected Papers*, Springer-Verlag. Series: Lecture Notes in Computer Science, Vol. 3727, 2005.
 5. C. Mosquera and F. Pérez-González, Eds. *Proceedings of the Sixth Baiona Workshop on Signal Processing in Communications*, Servicio de Publicaciones Universidad de Vigo, 2003.
 4. F. Pérez-González, A.R. Figueiras-Vidal and N. González-Prelcic, Eds. *Proceedings of the Fifth Baiona Workshop on Emerging Technologies in Telecommunications*, Servicio de Publicaciones Universidad de Vigo, 1999.
 3. D. Docampo, A.R. Figueiras-Vidal, F. Pérez-González, Eds. *Proceedings of the 4th Bayona Workshop on Intelligent Methods in Signal Processing and Communications*, Servicio de Publicaciones Universidad de Vigo, 1996.
 2. D. Docampo, V. Abreu, C. Mosquera, J.L. Alba, O. Márquez and F. Pérez-González. *Discrete-time Signals and Systems (in Spanish)*. Tórculo Ediciones, Santiago, Spain, 1998.
 1. D. Docampo, A.R. Figueiras-Vidal, F. Pérez-González, Eds. *Intelligent Methods in Signal Processing and Communications*. Birkhauser, Boston, 1997.
- ◇ **B. GUEST-EDITED JOURNALS**
5. Y. Xiang, J. Huang, F. Pérez-González, G. Hua and H. Malik, *Latest Advances and Emerging Applications of Data Hiding*. IEEE Access, 2016.
 4. S. Voloshynovskiy, T. Pun, J. Fridrich, F. Pérez-González and N. Memon, *Special Issue on Security of Data Hiding Technologies*. Signal Processing, 2003.

3. F. Pérez-González, *Special Issue on Signal Processing Techniques for Emerging Telecommunications Applications*. Signal Processing Journal, vol. 81, no. 8, 2001.
2. M. Barni, F. Bartolini, I. Cox, J.R. Hernández and F. Pérez-González, Guest Editors, *Feature Topic on Digital Watermarking: A Communications Perspective*. IEEE Communications Magazine, vol. 39, no. 8, 2001.
1. F. Pérez-González, Guest Editor, *Special Section on Applications of Signal Processing to Communications*, Signal Processing, 1997.

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

79. D. Vázquez-Padín, F. Pérez-González and P. Pérez-Miguélez, *Apple's Synthetic Defocus Noise Pattern: Characterization and Forensic Applications*, in IEEE Transactions on Information Forensics and Security, 2026. doi: 10.1109/TIFS.2026.3653213.
78. A. A. Mostafa, F. Pérez-González, and M. Masciopinto, *Exploring the Pitfalls of Black Boxes in Media Forensics: A Case Study in Source Camera Identification*. IEEE Access, 2025.
77. M. Namazi, M. Farahpoor, E. Ayday, and F. Pérez-González, *Privacy-Preserving Framework for Genomic Computations via Multi-Key Homomorphic Encryption*. Bioinformatics, 2025; btae754, <https://doi.org/10.1093/bioinformatics/btae754>
76. A. Montibeller and F. Pérez-González, *An Adaptive Method for Camera Attribution under Complex Radial Distortion Corrections*. IEEE Transactions on Information Forensics and Security, February 2024.
75. M. Barni, P. Campisi, E. J. Delp, G. Doërr, J. Fridrich, N. Memon, F. Pérez-González, A. Rocha, L. Verdoliva, and M. Wu, *Information Forensics and Security: A quarter-century-long journey*, in IEEE Signal Processing Magazine, vol. 40, no. 5, pp. 67-79, July 2023
74. S. Fernández-Menduiña, F. Pérez-González and M. Masciopinto, *Source camera attribution via PRNU emphasis: Towards a generalized multiplicative model*. Signal Processing: Image Communication, vol. 114, 2023. <https://doi.org/10.1016/j.image.2023.116944>
73. A. Pedrouzo-Ulloa, J.R. Troncoso-Pastoriza, N. Gama, M. Georgieva and F. Pérez-González. *Revisiting Multivariate Ring Learning with Errors and Its Applications on Lattice-Based Cryptography*. Mathematics, vol. 9, no. 8, 2021. <https://doi.org/10.3390/math9080858>
72. S. Fernández-Menduiña and F. Pérez-González. *On the information leakage quantification of camera fingerprint estimates*. EURASIP J. on Info. Security, no. 6, 2021. <https://doi.org/10.1186/s13635-021-00121-6>
71. B. Cortiñas-Lorenzo and F. Pérez-González, *Adam and the Ants: On the Influence of the Optimization Algorithm on the Detectability of DNN Watermarks*, Entropy vol. 22, no. 12: 1379, December 2020. <https://doi.org/10.3390/e22121379>
70. S. Fernández-Menduiña and F. Pérez-González. *Temporal Localization of Non-Static Digital Videos Using the Electrical Network Frequency*, IEEE Signal Processing Letters, vol. 27, pp. 745-749, April 2020.
69. D. Vázquez-Padín, M. Fontani, D. Shullani, F. Pérez-González, A. Piva and M. Barni. *Video Integrity Verification and GOP Size Estimation via Generalized Variation of Prediction Footprint*, IEEE Transactions on Information Forensics and Security, vol. 15, no. 1, pp. 1815-1830, January 2020.
68. L. Bondi, P. Bestagini, F. Pérez-González and S. Tubaro. *Improving PRNU Compression through Preprocessing, Quantization and Coding*, IEEE Trans. on Information Forensics and Security, vol. 14, no. 3, pp. 608-620, March 2019.
67. M. Masciopinto, P. Comesaña and F. Pérez-González. *IPTV Streaming Classification*, book chapter in S.M. Fati, S. Azad and A.K. Pathan (Eds.), *IPTV Delivery Networks*:

Next Generation Architectures for Live and Video-on-Demand Services, Wiley, pp. 25-64, May 2018.

66. C. Pasquini, G. Boato and F. Pérez-González. *Statistical Detection of JPEG Traces in Digital Images in Uncompressed Formats*, IEEE Trans. on Information Forensics and Security, vol. 12, no. 12, pp. 2890-2905, December 2017.
65. D. Vázquez-Padín, F. Pérez-González and P. Comesaña-Alfaro. *A Random Matrix Approach to the Forensic Analysis of Upscaled Images*, IEEE Trans. on Information Forensics and Security, vol. 12, no. 9, pp. 2115-2130, September 2017.
64. A. Pedrouzo-Ulloa, J.R. Troncoso-Pastoriza and F. Pérez-González. *Number Theoretic Transforms for Secure Signal Processing*, IEEE Trans. on Information Forensics and Security, vol. 12, no. 5, pp. 1125-1140, May 2017.
63. B. Tondi, P. Comesaña-Alfaro, F. Pérez-González and M. Barni. *Smart Detection of Line-Search Oracle Attacks*, IEEE Trans. on Information Forensics and Security, vol. 12, no. 3, pp. 588-603, March 2017.
62. R. Kazemi, F. Pérez-González, M.A. Akhaee and F. Behnia. *Data hiding robust to mobile communication vocoders*, IEEE Trans. on Multimedia, vol. 18, no. 12, pp. 2345-2357, December 2016.
61. S. Oya, F. Pérez-González and C. Troncoso. *Design of Pool Mixes Against Profiling Attacks in Real Conditions*, IEEE/ACM Transactions on Networking, vol. 24, no. 6, pp. 3662-3675, December 2016.
60. V. Conotter, P. Comesaña-Alfaro and F. Pérez-González. *Forensic Detection of Processing Operator Chains: Recovering the History of Filtered JPEG Images*, IEEE Transactions on Information Forensics and Security, vol. 10, no. 11, pp. 2257-2269, 2015.
59. F. Pérez-González, T. Tach-Quach, C.T. Abdallah, G. Heileman and S. J. Miller. *Application of Benford's Law to Images*, book chapter in S. Miller (Ed.), *Theory and Applications of Benford's Law*, Princeton University Press, Princeton, NJ, pp. 332-363, May 2015.
58. F. Pérez-González, C. Troncoso and S. Oya. *A Least Squares Approach to the Static Traffic Analysis of High-Latency Anonymous Communication Systems*, IEEE Transactions on Information Forensics and Security, vol. 9, no. 9, pp. 1341-1355, September 2014.
57. B. Shebaro, F. Pérez-González and J. Crandall. *Exploiting Geometrical Structure for Forensic Applications of Timing Inference Channels*, International Journal of Digital Crime and Forensics, vol. 5, no.1, 16 pages, 2013. DOI: 10.4018/jdcf.2013010104
56. J.R. Troncoso-Pastoriza, D. González-Jiménez and F. Pérez-González. *Fully Private Non-interactive Face Verification*, IEEE Transactions on Information Forensics and Security, vol. 8, no. 7, pp. 1101-1114, July 2013.
55. Z. Erkin, J.R. Troncoso-Pastoriza, I. Lagendijk and F. Pérez-González. *An Overview of Privacy-Preserving Data Aggregation in Smart Metering Systems*, IEEE Signal Processing Magazine, vol. 30, no. 2, 2013, pp. 75-86, March 2013.
54. J.R. Troncoso-Pastoriza and F. Pérez-González. *Secure Signal Processing in the Cloud*, IEEE Signal Processing Magazine, vol. 30, no. 2, 2013, pp. 29-41, March 2013.
53. A. Rico-Alvariño, C. Mosquera and F. Pérez-González. *Overlay Cognitive Transmission in a Multicarrier Broadcast Network with Dominant Line of Sight Reception*, IEEE Trans. on Wireless Communications, vol. 11, no. 11, pp. 4128-4139, November 2012.

52. R. López-Valcarce, E. Antonio-Rodríguez, C. Mosquera and F. Pérez-González. *An Adaptive Feedback Cancellor for Full-Duplex Relays Based on Spectrum Shaping*, IEEE Journal Selected Areas in Communications, vol. 30, no. 8, pp. 1566-1577, September 2012.
51. M. Scagliola, F. Pérez-González and P. Guccione. *Gain Invariant Dirty Paper Coding for Hierarchical OFDM*. IEEE Transactions on Communications, vol. 59, no. 12, pp. 3323-3334, 2011.
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44. L. Pérez-Freire and F. Pérez-González. *Security of lattice-based data hiding against the Watermarked Only Attack*. IEEE Trans. on Information Forensics and Security, vol. 3, no. 4, pp. 593-610, 2009.
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41. P. Comesaña and Fernando Pérez-González. *Breaking the BOWS Watermarking System: Key Guessing and Sensitivity Attacks*. EURASIP Journal on Information Security, 2007.
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◇ **D. PEER-REVIEWED CONFERENCE PAPERS**

195. D. Vázquez-Padín and F. Pérez-González *Beyond Non-Unique Artifacts: SVD-Based PRNU Recovery for Samsung Device Identification*. 2026 ACM Workshop on Information Hiding and Multimedia Security, IHMMSEC 2026, Florence, Italy, June 2026.
194. S. Mandelli, D. Vila-Portela, D. Vázquez-Padín, P. Bestagini, and F. Pérez-González *Beyond Spectral Peaks: Interpreting the Cues Behind Synthetic Image Detection*. IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP'26, Barcelona, Spain, May 2026.
193. E. Rodríguez-Lois and F. Pérez-González, *Collusion-resistant Black-box Watermarking in Federated Learning through Weight Relevance Analysis*. IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP'25, Hyderabad, India, April 2025.
192. M. Morona-Mínguez, A. Pedrouzo-Ulloa and F. Pérez-González, *A Critical Look into Threshold Homomorphic Encryption for Private Average Aggregation*. IEEE International Conference on Federated Learning Technologies and Applications, FLTA 2024, Valencia, Spain, September 2024.
191. E. Rodríguez-Lois and F. Pérez-González, *Exploring Federated Learning Dynamics for Black-and-White-Box DNN Traitor Tracing*. IEEE International Conference on Federated Learning Technologies and Applications, FLTA 2024, Valencia, Spain, September 2024. (**Nominated for the best paper award**)
190. A. Montibeller, R.A. Asiku, F. Pérez González, and G. Boato. *Shedding Light on some Leaks in PRNU-based Source Attribution*. 2024 ACM Workshop on Information Hiding and Multimedia Security, IHMMSEC 2024, Baiona, Spain, June 2024.
189. E. Rodríguez-Lois and F. Pérez-González, *Towards Traitor Tracing in Black-and-White-Box DNN Watermarking with Tardos-based Codes*. IEEE International Workshop on Information Forensics and Security, WIFS 2023, Nuremberg, Germany, December 2023.
188. A. Pedrouzo-Ulloa, J. Ramon, F. Pérez-González, S. Lilova, P. Dufлот, Z. Chihani, N. Gentili, P. Ulivi, M.A. Hoque, T. Mukammel, Z. Pritzker, A. Lemesle, J. Loureiro-Acuña, X. Martínez, G. Jimenez-Balsa, *Introducing the TRUMPET project: TRUSt-worthy Multi-site Privacy Enhancing Technologies*. IEEE CSR Workshop on Privacy-Preserving Data Processing and Analysis (2P-DPA), San Servolo, Venice, Italy, July 2023.
187. A. Montibeller, F. Pérez-González *Exploiting PRNU and Linear Patterns in Forensic Camera Attribution under Complex Lens Distortion Correction*. IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP'23, Rhodes, Greece, June 2023.
186. A. Montibeller, C. Pasquini, G. Boato, S. Dell'Anna, Fernando Pérez-González. *GPU-Accelerated SIFT-Aided Source Identification of Stabilized Videos*. 29th IEEE International Conference on Image Processing (ICIP), Bordeaux, France, October, 2022
185. E. Rodríguez-Lois, D. Vázquez-Padín, F. Pérez-González, P. Comesaña-Alfaro. *A Critical Look into Quantization Table Generalization Capabilities of CNN-based Double JPEG Compression Detection*. 30th European Signal Processing Conference, EU-SIPCO'22, Belgrade, Serbia, August 2022.

184. A. Pedrouzo-Ulloa, F. Pérez-González and D. Vázquez-Padín. *Secure Collaborative Camera Attribution*. European Interdisciplinary Cybersecurity Conference (EICC), June 2022. (**Best Poster Award**).
183. M. Barni, F. Pérez-González and B. Tondi. *DNN Watermarking: Four Challenges and a Funeral*. IH&MMSec’21: ACM Workshop on Information Hiding and Multimedia Security (Virtual), June 2021.
182. A. Pedrouzo-Ulloa, M. Masciopinto, J.R. Troncoso and F. Pérez-González. *A Review of ‘Camera Attribution Forensic Analyzer in the Encrypted Domain’*. 6th Spanish Conference on Cybersecurity (JNIC), June 2021. (**Best Published Paper Award**).
181. A. Pedrouzo-Ulloa, J. Troncoso-Pastoriza, N. Gama, M. Georgieva, F. Pérez-González. *Multiquadratic Rings and Walsh-Hadamard Transforms for Oblivious Linear Function Evaluation*. IEEE International Workshop on Information Forensics and Security, WIFS 2020, New York, NY, December 2020.
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179. D. Vázquez-Padín and F. Pérez-González. *Prediction Residue Analysis in MPEG-2 Double Compressed Video Sequences*, 27th European Signal Processing Conference, EUSIPCO’19, A Coruña, Spain, September 2019.
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175. M. Namazi, C. Eryonucu, E. Ayday and F. Pérez-González. *Dynamic Attribute-Based Privacy-Preserving Genomic Susceptibility Testing*. 34th Annual ACM Symposium on Applied Computing, SAC 2019, Limassol, Cyprus, April 2019.
174. A. Pedrouzo-Ulloa, M. Masciopinto, J.R. Troncoso and F. Pérez-González. *Camera Attribution Forensic Analyzer in the Encrypted Domain*. IEEE International Workshop on Information Forensics and Security, WIFS 2018, Hong-Kong, December 2018. (**Best Paper Award**)
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163. C. Pasquini, P. Schöttle, R. Böhme, G. Boato, and F. Pérez-González. *Forensics of High Quality and Nearly Identical JPEG Image Recompression*. 4th ACM Workshop on Information Hiding and Multimedia Security, IHMMSEC 2016, Vigo, Spain, June, 2016.
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145. J. Elices and F. Pérez-González. *Locating Tor hidden services through an interval-based traffic-correlation attack* (Poster), IEEE International Conference on Network Security, Washington, D.C., October 2013.
144. P. Comesaña and F. Pérez-González. *Taking advantage of source correlation in forensic analysis*, IEEE International Workshop on Multimedia Signal Processing, MMSP'13, Pula, Sardinia, Italy, September 2013.
143. P. Comesaña and F. Pérez-González. *Forensic Analysis of Full-Frame Linearly Filtered JPEG Images*, IEEE International Conference on Image Processing, ICIP'13, Melbourne, Australia, September 2013.
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141. P. Comesaña and F. Pérez-González. *Optimal Counterforensics for Histogram-Based Forensics*. IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP'13, Vancouver, Canada, May 2013.
140. M. Barni and F. Pérez-González. *Coping with the Enemy: Advances in Adversary-Aware Signal Processing*. IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP'13, Vancouver, Canada, May 2013.
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◇ **E. EDITORIAL POSITIONS**

7. Associate Editor, IEEE Trans. on Information Forensics and Security, 2023 - Present.
6. Editor in Chief, EURASIP Journal on Information Security, 2017-2022
5. Senior Area Editor, IEEE Trans. on Information Forensics and Security, 2019-2021
4. Associate Editor, IEEE Signal Processing Letters, 2005 -2009.
3. Associate Editor, IEEE Trans. on Information Forensics and Security, 2006 - 2010.
2. Associate Editor, EURASIP Journal on Information Security 2006 - 2017.
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5. José Luis Ledo Gavieiro, José Rey Juncal, Gabriel Loyácono Pardo, Miguel Ucha Cuevas, Fernando Pérez-González, Carlos Mosquera Nartallo and Roberto López-Valcarce. *Measurement Equipment for Radio and/or Television*, Spanish Patent ES 2341206, May 3, 2012; European Patent EP 2128634 Pending.
4. Fernando Pérez-González and Alberto Malvido. *Document Integrity Verification Procedure*, Spanish Patent ES 2342995, September 20, 2011; US Patent US8094889, January 10, 2012; European Patent EP2243104, May 16, 2012.
3. Jose Luis Fernandez Carnero, Santiago Rey Requejo, Fernando Pérez-González, Jorge Rocafort, Pedro Comesaña, Luis Pérez-Freire, Carlos Mosquera and Gabriel Domínguez-Conde. *Method for marking a digital image with a digital watermark*, Spanish Patent ES 2321363, January 12, 2010; Japanese Patent JP4944966, June 6, 2012; US Patent US8472528, June 25, 2013; German Patent DE 102007060345 Pending; European Patent EP 2122569, May 4, 2016.
2. Carlos Mosquera-Nartallo, Roberto López-Valcarce, Fernando Pérez-González and Alberto Prieto-Davila. *Signal Processing System for Spectrum Shaping*, Spanish Patent ES2297976, December 1, 2008; European Patent EP 1744455 Pending.
1. Carlos Mosquera-Nartallo, Roberto López-Valcarce, Fernando Pérez-González and Alberto Prieto-Davila. *Flat Spectrum Signal Processing System*, Spanish Patent ES2274659, August 1, 2008; European Patent EP 1555769, February 22, 2017.

Selected Entrepreneurial Experience:

- ♦ Co-founder of Bridge Mediatech, S.L. a start-up that develops second screen applications based on a proprietary automatic content recognition algorithm, 2010. Ourense Area. www.bridgemediatech.com
- ♦ Co-founder of Bit Oceans Research, S.L., a spin-off specialized on printed document security using digital signature techniques, 2008. Vigo Area. Now defunct.
- ♦ Co-founder (and during 2019-2024 President of the Board) of Optare Solutions, S.L., a telco company offering specialized solutions for operation support system (OSS) platforms, 2002. Vigo Area. www.optaresolutions.com

- ◇ Co-founder of Gsertel, S.L., focused on the design, development and manufacturing of radioelectric measuring equipment, 2001. Santiago Area. www.gsrtel.com
- ◇ Co-founder of Shylex Telecommunications, S.L., offering telecommunications professional services and consulting, 2000. Vigo Area. Now defunct.

**Other
Professional
Develop-
ment:**

◇ **Conferences:**

- Organizer and Technical Program Chair, 4th Baiona Workshop on Intelligent Methods in Signal Processing and Communications, 1996.
- Organizer and General Chair, 5th Baiona Workshop on Emerging Technologies in Telecommunications, 1999.
- General Chair, 6th Baiona Workshop on Signal Processing in Communications, 2003.
- General Co-chair, 7th International Workshop on Information Hiding, Barcelona, 2005.
- General Co-chair, Workshop on Applications of Benford's Law, Santa Fe, NM, 2007.
- Organizer, US-Spain Bilateral Scientific Workshop on Information Science and Related Technologies, Santa Fe, NM, 2010.
- Steering Committee and Local Arrangements Chair, 4th International Workshop on Cognitive Information Processing, CIP 2012, Baiona, Spain, May 2012.
- Steering Committee, 5th International Workshop on Cognitive Information Processing, CIP 2014, Copenhagen, Denmark.
- Local Arrangements Chair, 12th Privacy Enhancing Technologies Symposium, PETS 2012, Vigo, Spain, July 2012.
- General Co-chair, 4th IEEE International Workshop on Information Forensics and Security, WIFS 2012, Tenerife, Spain, December 2012.
- General Co-chair, 4th ACM Information Hiding and Multimedia Security Workshop, IHMMSEC 16, Vigo, Spain, June 2016.
- General Co-chair, 29th European Signal Processing Conference, EUSIPCO 21, Dublin, Ireland, August 2021.
- General Chair, 12th ACM Information Hiding and Multimedia Security Workshop, IHMMSEC 24, Baiona, Spain, June 2024.
- Co-Chair, 2nd ACM Multimedia Deepfake Forensics Workshop, Rio de Janeiro, Brazil, November 2026
- Technical Program Co-Chair, International Workshop on Digital Forensics and Watermarking, Atlantic City, USA, 2011.
- Technical Program Co-Chair, International Workshop on Digital Forensics and Watermarking, Shanghai, China, 2012.
- Technical Program Co-Chair, IEEE Multimedia Signal Processing Workshop, MMSP 2013, Pula, Sardinia, 2013.
- Technical Program Co-Chair, International Workshop on Digital Forensics and Watermarking, Auckland, New Zealand, 2013.
- Technical Program Co-Chair, International Workshop on Digital Forensics and Watermarking, Taipei, Taiwan, 2014.
- Technical Program Co-Chair, International Workshop on Digital Forensics and Watermarking, Tokyo, Japan, 2015.
- Technical Program Co-Chair, 7th IEEE International Workshop on Information Forensics and Security, WIFS 2015, Rome, Italy, 2015.

- Technical Program Co-Chair, International Workshop on Digital Forensics and Watermarking, Beijing, China, 2016.
- Technical Program Co-Chair, 16th IEEE International Workshop on Information Forensics and Security, WIFS 2026, Sendai, Japan, December 2026.
- Program Committee Member Workshop on Intelligent Communication Technologies, 1999.
- Program Committee Member First COST # 276 Workshop on Information and Knowledge Management for Integrated Media Communication, 2001.
- Program Committee Member International Workshop on Digital Watermarking, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2020, 2021, 2022.
- Program Committee Member Learning'02 Conference.
- Program Committee Member European Signal Processing Conference (EUSIPCO), 2004, 2008, 2018.
- Program Committee Member International Workshop on Image Analysis for Multimedia Interactive Services, WIAMIS, 2004.
- Program Committee Member Conference on Communications and Multimedia Security, CMS, 2005, 2006.
- Program Committee Member International Workshop on Data Hiding, 2005.
- Program Committee Member IASTED International Conference on Signal and Image Processing, SIP, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012.
- Program Committee Member IEEE International Conference on Multimedia and Expo (ICME), 2005, 2011, 2012, 2013, 2014, 2015, 2016.
- Program Committee Member International Workshop on Information Security and Hiding, 2005.
- Program Committee Member IEEE International Conference on Image Processing, 2005.
- Program Committee Member SPIE Conference on Security, Steganography and Watermarking of Multimedia Contents, 2006, 2007, 2008.
- Program Committee Member Workshop on Multimedia Content Representation, Classification and Security, MRCS, 2006.
- Program Committee Member Second Wavila Challenge (WaCha-06).
- Program Committee Member ACM Multimedia and Security Workshop, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013.
- Program Committee Member 3rd International Conference on Intelligent Information Hiding and Multimedia Signal Processing, 2007, 2008.
- Program Committee Member Third Wavila Challenge (WaCha-07).
- Program Committee Member International Conference on Pattern Recognition, 2008, 2010.
- Program Committee Member ACM Digital Rights Management Workshop, 2008, 2009, 2010, 2011.
- Program Committee Member IEEE Workshop on Information Forensics and Security, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023.
- Program Committee Member International Workshop on Forensics for Future Generation Communication Environments, 2010, 2011.
- Program Committee Member IASTED International Conference on Signal and Image Processing and Applications, 2011.

- Program Committee Member Symposium in Cybersecurity and Privacy, IEEE Global SIP, 2013.
- Program Committee Member ACM Workshop on Information Hiding and Multimedia Security (IHMMSEC), 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2023, 2026.
- Program Committee Member ACM International on Multimedia, 2014.
- Program Committee Member Digital Forensics Research Conference (DFRWS), 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024.
- Program Committee Member International Workshop on Information Hiding and its Criteria for evaluation (IWIHC), 2014.
- Program Committee Member International Symposium on Wireless Communication Systems (ISWCS), 2014, 2015, 2016, 2017.
- Program Committee Member World Conference on Complex Systems (WCCS), 2014.
- Program Committee Member IEEE Multimedia Signal Processing Workshop (MMSP), 2014.
- Program Committee Member, IEEE Workshop on Statistical Signal Processing (SSP), 2016.
- Program Committee Member, Advanced Concepts for Intelligent Vision Systems (ACIVS), 2016, 2017.
- Program Committee Member IARIA International Conference on Advances in Cyber-Technologies and Cyber-Systems (CYBER), 2016.
- Program Committee Member, International Workshop on Biometrics and Forensics (IWBF), 2017, 2019, 2021 2022, 2023.
- Program Committee Member, Annual International Carnahan Conference on Security Technology (ICCST), 2017.
- Program Committee Member IEEE International Conference On Trust, Security And Privacy In Computing And Communications (IEEE Trustcom), 2017.
- Program Committee Member, Central European Cybersecurity Conference (CEC), 2017.
- Program Committee Member, Thyrrhenian Workshop on Digital Communications, 2017.
- Program Committee Member, IEEE Statistical Signal Processing Workshop (SSP), 2018.
- Program Committee Member, ACM Cloud Computing Security Workshop (CCSW), 2020
- Program Committee Member, Workshop on Privacy in the Electronic Society, 2021.
- Program Committee Member, European Interdisciplinary Cybersecurity Conference, 2022, 2023.
- Program Committee Member and Area Chair (Biometrics), IEEE International Conference on Image Processing, 2011.
- Program Committee Member and Area Chair (Watermarking), IEEE International Conference on Image Processing, 2012, 2016.
- Program Committee Member and Area Chair (Information Forensics and Security), IEEE International Conference on Image Processing, 2018.
- Program Committee Member and Area Chair International Conference on Image Analysis and Processing, ICIAP 2019.

- Program Committee Member MultiMedia FORensics in the WILD Workshop, MM-forWILD 2020, 2022, 2024.
- Program Committee Member VERIMEDIA Workshop, IJCNN, 2025.
- Program Committee Member ACM Symposium on Applied Computing (SAC) 2025 - Track Innovations in Multimedia Forensics and Biometric Security.
- Program Committee Member and Area Chair (Anonymization and Data Privacy), IEEE International Conference on Acoustics, Speech and Signal Processing, 2025.
- Program Committee Member, Beyond Detection: Uncertainty, Quality, and Multi-Source Reasoning for Operational Multimedia Forensics Workshop, 2026.
- International Adviser Committee, Midwest Symposium on Circuits and Systems (MWSCAS), 2008.
- Special Session Organizer, IEEE WIFS, 2023.
- Special Session Organizer, IHMMSEC 2021.
- Special Session Organizer, EUSIPCO 2018.
- Special Session Organizer, IEEE ICASSP, 2007, 2013, 2025.
- Special Session Organizer, CIP 2012.
- Special Session Organizer, SPIE Conference on Security, Steganography and Watermarking of Multimedia Contents, 2005, 2006.
- Special Session Organizer, International Workshop on Digital Watermarking, 2005.

♦ **Contests:**

- First Break Our Watermarking System (BOWS) Contest, 2006. Steering Committee.
<http://lci.det.unifi.it/BOWS/>

♦ **Journal Reviewer:**

- Automatica
- Signal Processing (EURASIP)
- Signal Processing Magazine
- IEEE Trans. on Circuits and Systems
- Multidimensional Systems and Signal Processing
- International Journal of Control
- IEEE Trans. on Automatic Control
- IEEE Trans. on Circuits and Systems II
- IEEE Trans. on Signal Processing
- IEEE Trans. on Image Processing
- IEEE Trans. on Communications
- IEEE Signal Processing Letters
- EURASIP Journal on Applied Signal Processing
- IEEE Communications Magazine
- IEEE Trans. on Systems, Man and Cybernetics
- IEE Proceedings on Vision, Image and Signal Processing
- Electronic Letters on Computer Vision and Image Analysis
- Journal on Electronic Imaging
- Journal of Communication and Networks
- International Journal of Robust and Nonlinear Control

- Optical Engineering
- IEEE Trans. on Multimedia
- Knowledge and Information Systems Journal
- ACM Surveys on Computing
- IEEE Trans. on Information Forensics and Security
- IEE Proc. Information Security
- IEEE Transactions on Dependable and Secure Computing
- IEEE Communications Letters
- IEEE Trans. on Information Theory.
- Computational Intelligence.
- Signal Image and Video Processing.
- IEEE Sensors Journal.
- IEEE Trans. Vehicular Technology.
- ACM Trans. on Multimedia Computing, Communications and Applications.
- Elsevier Journal of Network and Computer Applications.
- Research Integrity and Peer Review.
- ◇ **Book Reviewer:**
 - Marcel Dekker, New York.
- ◇ **Research Proposal Reviewer:**
 - Spanish National Science Foundation
 - Madrid Regional Government
 - Castilla and Leon Regional Government
 - Technical University of Madrid
 - Technology Foundation STW (The Netherlands)
 - Italian Ministry for Education University and Research (MUIR)
 - Spanish Ministry of Industry
 - Spanish Ministry of Education
 - Flanders Science Foundation
 - Spanish Research, Development and Innovation Accreditation Agency.
 - Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR).
 - Portuguese National Science and Technology Foundation (FCT).
 - National Center for Science and Tecnology Evaluation, Kazakhstan.
 - Qatar National Research Fund (QNRF).
 - French National Institute for Research in Digital Science and Technology (INRIA).
- ◇ **CV Reviewer:**
 - Princess Sumaya University for Technology, Jordan.
- ◇ **Panels:**
 - Panel Chair. Different research programs, Portuguese Science and Technology Foundation, 2016, 2017, 2018, 2019, 2020.
 - Panelist at IEEE Signal Processing Society Italy Chapter Meeting, WIFS Rome, 2015.

- Panel Member. Research Project Evaluation, Portuguese Science and Technology Foundation, 2013.
- Panel Chair. Spanish System of Science and Technology Evaluation Panel. Electronics and Communications Area. 2008.
- Panel Chair. Research Project Evaluation, Electronics and Communications Area, Spanish Ministry of Science and Innovation, 2007, 2008 and 2009. Around 150 proposals evaluated every year.
- Panelist on “What’s the Future for Watermarking?”, Signal Processing Forum, IEEE Signal Processing Magazine, vol. 20, no.5, pp. 55-59, September 2003 and vol. 20, no. 6, pp. 53-57, November 2003.

◇ **Committees:**

- Member of the Executive Board, Royal Galician Academy of Sciences, 2019-
- Elected Member of the IEEE Signal Processing Society, Information Forensics and Security Technical Committee, 2010-2012, 2015-2017, 2023-
- Associate Member, IEEE Signal Processing Society, Information Forensics and Security Technical Committee, 2013.
- Elected Member EURASIP Biometrics, Data Forensics and Security Technical Area Committee, 2016-2021.
- Member of the Executive Committee of the Galician Technology Platform on ICTs, 2007-2008.
- Member Academic Curriculum Board for the Technical School of Telecommunications Engineering, University of Vigo, 2003-2004.
- Member Internal Evaluation Committee of the Communication Technologies Dept., University of Vigo, 2001-2002.
- Chair, Activities Committee of the Higher Technical School of Telecommunications, University of Vigo, 2000-2001.
- Member, Board of Trustees of the Galician University-Industry Foundation, 1998-2002.
- Chair, PhD Program, Communication Technologies Dept., University of Vigo, 1997-2000.
- Elected Member, Standing Committee of the Communications Technologies Dept., University of Vigo, 1997-1998.