

Fecha del CVA	17/01/2025
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Parte A. DATOS PERSONALES

Nombre	Francisco José		
Apellidos	García Peñalvo		
Sexo	No Contesta	Fecha de Nacimiento	
DNI/NIE/Pasaporte			
URL Web	https://grial.usal.es		
Dirección Email			
Open Researcher and Contributor ID (ORCID)	0000-0001-9987-5584		

A.1. Situación profesional actual

Puesto	Catedrático de Universidad		
Fecha inicio	2018		
Organismo / Institución	Universidad de Salamanca		
Departamento / Centro	Informática y Automática / Facultad de Ciencias		
País	España	Teléfono	
Palabras clave	Ciencias de la computación y tecnología informática		

A.2. Situación profesional anterior (incluye interrupciones en la carrera investigadora - indicar meses totales, según texto convocatoria-)

Periodo	Puesto / Institución / País
2002 - 2018	Titular de Universidad / Universidad de Salamanca
2000 - 2002	Titular de Escuela Universitaria / Universidad de Salamanca
1998 - 2000	Titular de Escuela Universitaria (Interino) / Universidad de Salamanca
1996 - 1998	Ayudante de Escuela Universitaria / Universidad de Burgos
1995 - 1996	Profesor Asociado Tipo 1 (6+6) / Universidad de Burgos
1994 -	Profesor Conferenciante / Universidad de Salamanca

A.3. Formación académica

Grado/Master/Tesis	Universidad / País	Año
Doctor en Informática	Facultad de Ciencias de la Universidad de Salamanca	2000
Licenciado en Informática	Facultad de Ciencias de la Universidad de Valladolid	1994
Diplomado en Informática	Facultad de Ciencias de la Universidad de Salamanca	1992

Parte B. RESUMEN DEL CV

Francisco José García-Peñalvo is a Full Professor in the Department of Computer Science and Automation at the University of Salamanca (USAL), with four six-year periods of research, one six-year period of transferring and innovation, and five five-year periods of recognized teaching. He received the Gloria Begué Award for teaching excellence in 2019 and the Maria de Maeztu Award for research excellence in 2023. He was also a Distinguished Professor at the School of Humanities and Education at the Tecnológico de Monterrey, Mexico (2016-2018) and is a Researcher of International Impact at the Universidad Nacional San Agustín, Arequipa, Peru. Since 2006 he has been the head of the Research Group Recognized by the USAL GRIAL (research GRoup on InterAction and eLearning). This group is a Consolidated Research Unit of the Junta de Castilla y León Government (UIC 81). Included in the University of de Stanford's World's Top 2% Scientists list (2019, 2020, 2021, 2022, 2023, 2024) <https://d66z.short.gy/Umhjn4>. He has supervised 31 Ph.D. theses. He has been Vice-Dean of Innovation and New Technologies of the Faculty of Sciences of the

USAL between 2004 and 2007 and Vice-Rector of Technological Innovation of this University between 2007 and 2009. He is currently the Deputy Director of the Research Institute for Educational Sciences (IUCE), and the Coordinator of the Doctorate Programme in Education in the Knowledge Society at USAL. He is Editor-in-Chief of the journals Education in the Knowledge Society and Associate Editor of many journals, with a special mention to the journals IEEE Access, Computers in Human Behavior, and Computers in Human Behavior Reports. He has published over 150 research papers in JCR SCIE/SSCI/2023-indexed journals (69 Q1). For more detailed information on the publications and projects, these are the public links to the profiles in WoS (<https://www.webofscience.com/wos/author/record/D-5445-2013>), Scopus (<https://www.scopus.com/authid/detail.uri?authorId=16031087300>), ORCID (<http://orcid.org/0000-0001-9987-5584>), GRIAL Web Site (<https://grial.usal.es/projects>), and University of Salamanca Research Portal (USAL CRIS) (<https://produccioncientifica.usal.es/investigadores/56361/detalle?lang=en>).

Quantitative indicators: Number of recognized 6-year research periods: 4 (last one 2016-2021); Number of recognized 6-year transfer and innovation periods: 1 (2003-2008); Number of supervised Ph.D. thesis: 31; Number of papers in ranked journals: 331 organized as follows: 189 JCR SCIE/SSCI/2023 (69 Q1, 57 Q2, 27 Q3, 36 Q4), 171 JCR JCI (65 Q1, 74 Q2, 11 Q3, 21 Q4), 283 Scopus SJR (101 Q1, 104 Q2, 53 Q3, 25 Q4), 243 Scopus CiteScore (110 Q1, 80 Q2, 41 Q3, 12 Q4) and 97 ESCI; Number of Q1 papers: JCR SCIE/SSCI/2023 69, JCR JCI 66, Scopus SJR 101; Scopus CiteScore 110; Number of citations: WoS (8,742); Scopus (12,619); Average citations per year (last 5 years): WoS (1,023.6); Scopus (1,630.6); H index: WoS (46); Scopus (56); Normalized indicators: CNCI (all years) (1.91); CNCI (2020-2024) (2.9); FWCI (2.51) – consulted 23/12/2024.

Projects: Main researcher in 42 projects (10 European; 15 National; 10 Regional; 7 Local)), responsible researcher for 28 sub-projects within coordinated projects (22 European; 1 International; 5 National), and member of the research team in other 62 projects (17 European; 11 International; 22 National; 5 Regional; 6 Local). Main researcher in 109 research contracts (art. 60 LOSU or equivalent), in addition to participating in the research team of 18 other research contracts.

Educational innovation projects: Main researcher of 17 innovation projects, in addition to participating in the work team of 58 other innovation projects.

Fellows: There have been 4 pre-doctoral fellows and 2 post-doctoral researchers in competitive calls.

Parte C. LISTADO DE APORTACIONES MÁS RELEVANTES

C.1. Publicaciones más importantes en libros y revistas con “peer review” y conferencias

AC: Autor de correspondencia; (nº x / nº y): posición firma solicitante / total autores. Si aplica, indique el número de citas

- 1 **Artículo científico.** (1/3) Francisco José García-Peñalvo (AC); Andrea Vázquez-Ingelmo; Alicia García-Holgado. 2023. Explainable Rules and Heuristics in AI Algorithm Recommendation Approaches—A Systematic Literature Review and Mapping Study. Computer Modeling in Engineering & Sciences. 136-2, pp.1023-1051. ISSN 1526-1492. <https://doi.org/10.32604/cmescs.2023.023897>
- 2 **Artículo científico.** (1/8) Francisco José García-Peñalvo (AC); Andrea Vázquez Ingelmo; Alicia García-Holgado; J. Sampedro-Gómez; A. Sánchez-Puente; V. Vicente-Palacios; P. I. Dorado-Díaz; P. L. Sánchez. 2023. KoopaML: A Graphical Platform for Building Machine Learning Pipelines Adapted to Health Professionals. International Journal of Interactive Multimedia and Artificial Intelligence. In Press. ISSN 1989-1660. <https://doi.org/10.9781/ijimai.2023.01.006>

- 3 **Artículo científico.** J. M. Flores-Vivar; (2/2) Francisco José García-Pñealvo. 2023. Reflections on the ethics, potential, and challenges of artificial intelligence in the framework of quality education (SDG4). Comunicar. 31-74, pp.35-44. ISSN 1134-3478. <https://doi.org/10.3916/C74-2023-03>
- 4 **Artículo científico.** (1/3) Francisco José García-Peñalvo (AC); Faraón Llorens-Largo; Javier Vidal. 2023. The new reality of education in the face of advances in generative artificial intelligence. RIED: Revista Iberoamericana de Educación a Distancia. 27-1. ISSN 1138-2783. <https://doi.org/10.5944/ried.27.1>
- 5 **Artículo científico.** (1/2) García-Peñalvo, Francisco José (AC); Vázquez-Ingelmo, Andrea. 2023. What do we mean by GenAI? A systematic mapping of the evolution, trends, and techniques involved in Generative AI. International Journal of Interactive Multimedia and Artificial Intelligence. ISSN 1989-1660. <https://doi.org/10.9781/ijimai.2023.07.006>
- 6 **Artículo científico.** 291. Marcos-Pablos, S.; Lobato, F.; (3/3) García-Peñalvo, F. J.2022. Integrating Emotion Recognition Tools for Developing Emotionally Intelligent Agents. International Journal of Interactive Multimedia and Artificial Intelligence. 7-6, pp.69-76. ISSN 1989-1660. <https://doi.org/10.9781/ijimai.2022.09.004>
- 7 **Artículo científico.** Andrea Vázquez-Ingelmo; (2/3) Francisco José García-Peñalvo; Roberto Therón. 2022. MetaViz – A graphical meta-model instantiator for generating information dashboards and visualizations. Journal of King Saud University - Computer and Information Sciences. 34-10, pp.9977-9990. ISSN 1319-1578. <https://doi.org/10.1016/j.jksuci.2022.09.015>
- 8 **Artículo científico.** Samuel Marcos-Pablos; (2/2) Francisco José García-Peñalvo. 2022. More than surgical tools: a systematic review of robots as didactic tools for the education of professionals in health sciences. Advances in Health Sciences Education. 27-4, pp.1139-1176. ISSN 1382-4996. <https://doi.org/10.1007/s10459-022-10118-6>
- 9 **Artículo científico.** Ángel Fidalgo-Blanco; María Luisa Sein-Echaluce; (3/3) Francisco José García-Peñalvo. 2022. Método basado en Educación 4.0 para mejorar el aprendizaje: Lecciones Aprendidas de la COVID-19. Método basado en Educación 4.0 para mejorar el aprendizaje: Lecciones Aprendidas de la COVID-19. 25-2, pp.49-72. ISSN 1138-2783. <https://doi.org/10.5944/ried.25.2.32320>
- 10 **Artículo científico.** Vázquez-Ingelmo, A.; García-Holgado, A.; (3/4) García-Peñalvo, F. J.; Therón, R.2022. Proof-of-concept of an information visualization classification approach based on their fine-grained features. Expert Systems. Wiley. 41-1. ISSN 1468-0394. <https://doi.org/10.1111/exsy.12872>
- 11 **Artículo científico.** Chamoso, P; Hernández, G.; González-Briones, A.; (4/4) García-Peñalvo, F. J. (AC). 2022. Recommendation of technological profiles to collaborate in software projects using document embeddings. Neural Computing and Applications. Springer. ISSN 0941-0643.
- 12 **Artículo científico.** (1/3) 4.232García-Peñalvo, F. J. (AC); Van der Roest, H. G.; Ottoboni, G.2022. Using Technology to Combat Diseases and Help People With Disabilities. Frontiers in Psychology. Frontiers. 13. ISSN 1664-1078. <https://doi.org/10.3389/fpsyg.2022.854762>
- 13 **Artículo científico.** Huang, F.; Sánchez-Prieto, J. C.; Teo, T.; (4/6) García-Peñalvo, F. J.; Olmos-Migueláñez, S.; Zhao, C.2021. A cross-cultural study on the influence of cultural values and teacher beliefs on university teachers' information and communications technology acceptance. Educational Technology Research and Development. Springer. 69, pp.pages1271-1297. ISSN 1042-1629. <https://doi.org/10.1007/s11423-021-09941-2>
- 14 **Artículo científico.** (1/8) García-Peñalvo, F. J. (AC); Vázquez-Ingelmo, A.; García-Holgado, A.; Sampredo-Gómez, J.; Sánchez-Puente, A.; Vicente-Palacios, V.; Dorado-Díaz, P. I.; Sánchez, P. L.2021. Application of Artificial Intelligence Algorithms Within the Medical Context for Non-Specialized Users: the CARTIER-IA Platform. International Journal of Interactive Multimedia and Artificial Intelligence. 6-6, pp.46-53. ISSN 1989-1660. <https://doi.org/10.9781/ijimai.2021.05.005>

- 15 **Artículo científico.** Chattat, R.; Ottoboni, G.; Chirico, I.; et al; Franco-Martín, M. A.; (10/12) Sánchez-Gómez, M. C.2021. Psychosocial care in dementia in European higher education: Evidence from the SiDECAR (“Skills in DEmentia Care”) project. Nurse Education Today. Elsevier. 103, pp.104977. ISSN 0260-6917. <https://doi.org/10.1016/j.nedt.2021.104977>
- 16 **Artículo científico.** González-Izard, S.; Juanes-Méndez, J. A.; Ruisoto-Palomera, P.; (4/4) García-Peñalvo, F. J.2019. Applications of Virtual and Augmented Reality in Biomedical Imaging. Journal of Medical Systems. Springer. 43. ISSN 0148-5598. <https://doi.org/10.1007/s10916-019-1239-z>

C.3. Proyectos o líneas de investigación

- 1 **Proyecto.** Inteligencia Artificial generativa y explicable aplicada a dominios educativos. Universidad de Salamanca. Francisco José García Peñalvo. (Universidad de Salamanca). 01/06/2023-31/05/2027. 69.626,01 €.
- 2 **Proyecto.** Visual analytics and machine learning for decision making in health ecosystems (AVisSA). Ministerio de Ciencia e Innovación. García-Peñalvo, F. J.01/09/2021-31/08/2025. 78.166 €.
- 3 **Proyecto.** 101055893, ENriching Circular use of OeR for Education (ENCORE). Unión Europea. Andrea Andrea. 01/06/2022-30/04/2025. 1.199.064 €.
- 4 **Proyecto.** 2021-1-AT01-KA220-SCH-000029604, Level-Adequate Texts in Language Learning (LATILL). Unión Europea. Karen Schramm. 01/05/2022-30/04/2025. 351.091 €.
- 5 **Proyecto.** 101087984, Combating gender stereotypes by highlighting women's contribution to the history of societies (HerStory). Unión Europea. Francisco José García Peñalvo. 16/01/2023-15/01/2025. 506.152,8 €.
- 6 **Proyecto.** 2022-1-ES01-KA220-SCH-000086363, Security and Privacy in Academic Data management at Schools (SPADATAS). Unión Europea. Daniel Amo. 01/10/2022-30/09/2024. 250.000 €.
- 7 **Proyecto.** 2021-1-ES01-KA220-SCH-000032607, Gamified Values Education For Fostering Migrant Integration at Schools (GAMIGRATION). Unión Europea. Francisco José García Peñalvo. 01/02/2022-31/01/2024. 175.823 €.
- 8 **Proyecto.** Machine learning aplicado a la gestión de imágenes médicas. Francisco José García Peñalvo. (Universidad de Salamanca). 01/01/2021-31/12/2023. 106.934,66 €.
- 9 **Proyecto.** 612166-ES-EPPKA3-IPI-SOC-IN, INGAME - Gaming for Social Inclusion and Civic Participation – A holistic approach for a cultural shift in education and policy. Unión Europea. Francisco José García Peñalvo. 15/01/2020-14/05/2023. 620.172 €.
- 10 **Proyecto.** Extremidad Superior robótica para el desarrollo de competencias diagnósticas y formación médica. Universidad de Salamanca. Marcos-Pablos, S.01/11/2021-31/10/2022. 3.000 €.
- 11 **Proyecto.** 598923-EPP-1-2018-1-ES-EPPKA2-CBHE-JP, Building the Future of Latin America: Engaging Women Into Stem (W-STEM). Unión Europea. Francisco José García Peñalvo. 15/01/2019-14/07/2022.
- 12 **Proyecto.** SIDECAR-Skills In DEmentia CARE - Exchanging psychosocial knowledge and best practice in dementia care. Comisión Europea. Chattat, R.01/11/2018-30/11/2021. 431.508 €.
- 13 **Proyecto.** TE-CUIDA, propuesta de un Ecosistema TEcnológico para apoyo a CUIDAdores asistenciales. Junta de Castilla y León. García-Peñalvo, F. J.26/07/2017-31/12/2019. 117.000 €.
- 14 **Proyecto.** WYRED: netWorked Youth Research for Empowerment in the Digital society. Comisión Europea. García-Peñalvo, F. J.01/11/2016-31/10/2019. 993.662 €.
- 15 **Contrato.** Desarrollo del estudio de Experiencia de Usuario (User eXperience) del ecosistema tecnológico Gradior Fundación INTRAS. García-Peñalvo, F. J.15/03/2021-15/12/2021. 11.889 €.
- 16 **Contrato.** Definición y desarrollo de una plataforma colaborativa de datos Instituto de Investigación Biomédica de Salamanca (IBSAL).. García-Peñalvo, F. J.29/07/2020-29/05/2021. 33.900 €.