

CV Date

01/03/2024

## Part A. PERSONAL INFORMATION

First name	AGUSTIN		
Family name	YAGUE PANADERO		
Gender (*)	Male	Date of Birth	14/03/1966
Social Security, Passport, ID number	02613903E		
e-mail	agustin.yague@upm.es		
Open Researcher and Contributor ID (ORCID) (*)	0000-0002-4761-0901		

(\*) *Mandatory*

### A.1. Current position

Position	Titular Universidad		
Initial date	2015		
Institution	Universidad Politécnica de Madrid		
Department/Center	Sistemas Informáticos	E.T.S DE ING. DE SISTEMAS INFORMÁTICOS	
Country	Spain	Teleph. number	+34910673502
Key words			

### A.2. Previous positions (research activity interruptions, indicate total months)

Period	Position/Institution/Country/Interruption cause
2017 - 2021	DIRECTOR DE E.T.S. / Universidad Politécnica de Madrid / Spain
2015 - 2017	SUBDIRECTOR DE E.T.S. / Universidad Politécnica de Madrid / Spain
1993 - 2015	TITULAR E.U. / Universidad Politécnica de Madrid / Spain
1993 - 2013	TITULAR E.U. / Universidad Politécnica de Madrid / Spain

### A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Doctor en Informática	Escuela Técnica Superior de Sistemas Informáticos. Universidad Politécnica de Madrid	2015
Ingeniero en Informática	Facultad de Informática. Universidad Politécnica de Madrid	2007
Diplomado en Informática	E.U. Informática. Universidad Politécnica de Madrid	1991

## Part B. CV SUMMARY (max. 5000 characters, including spaces)

Agustín Yagüe Panadero Dean of the School Computer Science Engineering (ETSISI) since 2017. He is Associate Professor at the Technical University of Madrid (UPM). He obtained his Ph.D. in Computer Science from UPM. He is member of the Systems and Software Technology Research Group (SYST)

His research interests include agile software processes, DevOps, project management, agile development approaches, system and software testing processes, IoT and tools. He has publications in several international journals and conferences, and he has been involved in several European and national projects or research networks related, among others, to Software Engineering and ICT on Cyber-Physical Systems (CPS), such as Smart Grids, Smart Cities. He has been involved in several international and national research projects.

He is active in the promotion of Agile at UPM and industrial partners. He is involved in several master and degree courses related with Agile methodologies.

## Part C. RELEVANT MERITS (sorted by typology)

### C.1. Publications (see instructions)

- 1 **Scientific paper.** Navas G; Yagüe A. (2/2). 2023. A New Way of Cataloging Research through Grounded Theory. Applied Sciences-Basel. MDPI AG, Basel, Switzerland (open access). 13(10), pp.5889. ISSN 2076-3417. <https://doi.org/10.3390/app13105889>
- 2 **Scientific paper.** Perez, JE; Gonzalez-Prieto, A; Diaz, J...[et al.]. (6/6). 2022. DevOps Research-Based Teaching Using Qualitative Research and Inter-Coder Agreement. Ieee Transactions On Software Engineering. IEEE. 48(9), pp.3378-3393. ISSN 0098-5589. (9) <https://doi.org/10.1109/TSE.2021.3092705>
- 3 **Scientific paper.** López-Fernández D; Gordillo A; Ortega F...[et al.]. (4/ 5). 2021. LEGO® Serious Play in Software Engineering Education. Ieee Access. IEEEA. 9, pp.103120-103131. ISSN 2169-3536. SCOPUS (9) <https://doi.org/10.1109/ACCESS.2021.3095552>
- 4 **Scientific paper.** Jessica Diaz; Jorge E. Pérez; Miguel A. Lopez-Peña...[et al.]. (5/ 5). 2019. Self-service Cybersecurity Monitoring as Enabler for DevSecOps. Ieee Access. IEEEA. 7, pp.100283-100295. ISSN 2169-3536. <https://doi.org/10.1109/ACCESS.2019.2930000>
- 5 **Scientific paper.** Fernández Sánchez, Carlos; GARBAJOSA SOPEÑA, JUAN; YAGUE PANADERO, AGUSTIN...[et al.]. (3/4). 2017. Identification and analysis of the elements required to manage technical debt by means of a systematic mapping study. Journal Of Systems And Software. Elsevier. 124, pp.22-38. ISSN 0164-1212. SCOPUS (25) <https://doi.org/10.1016/j.jss.2016.10.018>
- 6 **Scientific paper.** Yague, Agustin; Garbajosa, Juan; Diaz, Jessica...[et al.] (AC). (1/ 4). 2016. An exploratory study in communication in Agile Global Software Development. Computer Standards & Interfaces. Elsevier. 48, pp.184-197. ISSN 0920-5489. SCOPUS (28) <https://doi.org/10.1016/j.csi.2016.06.002>
- 7 **Book chapter.** YAGUE PANADERO, AGUSTIN; GARBAJOSA SOPEÑA, JUAN; DIAZ FERNANDEZ, JESSICA...[et al.]. (1/4). 2013. Bridging User Stories and Software Architecture: A Tailored Scrum for Agile Architecting. Agile Software Architecture: Aligning Agile Processes And Software Architectures. pp.215-241. ISBN 9780124077720. SCOPUS (5) <https://doi.org/10.1016/B978-0-12-407772-0.00008-3>
- 8 Navas, G; Yague, A. (2/2). 2022. Glaserian Systematic Mapping Study: An Integrating Methodology. Enase: Proceedings Of The 17th International Conference On Evaluation Of Novel Approaches To Software Engineering. pp.519-527. ISBN 9789897585685. SCOPUS (1) <https://doi.org/10.5220/0011090500003176>
- 9 Diaz J; Perez J; Yagüe A...[et al.]. (3/5). 2019. DevOps in Practice – A Preliminary Analysis of Two Multinational Companies. Lecture Notes In Computer Science. Springer. 11915 LNCS, pp.323-330. ISSN 0302-9743. [https://doi.org/10.1007/978-3-030-35333-9\\_23](https://doi.org/10.1007/978-3-030-35333-9_23)
- 10 Fernandez-Sanchez, Carlos; Garbajosa, Juan; Vidal, Carlos...[et al.]. (/4). 2015. An Analysis of Techniques and Methods for Technical Debt Management: a Reflection from the Architecture Perspective. 2015 Ieee/Acm 2nd International Workshop On Software Architecture And Metrics (Sam). pp.22-28. SCOPUS (11) <https://doi.org/10.1109/SAM.2015.11>
- 11 Fernandez-Sanchez, Carlos; Garbajosa, Juan; Yague, Agustin. (3/3). 2015. A Framework to Aid in Decision Making for Technical Debt Management. 2015 Ieee 7th International Workshop On Managing Technical Debt (Mtd) Proceedings. pp.69-76. SCOPUS (14) <https://doi.org/10.1109/MTD.2015.7332628>
- 12 Rodriguez, Lilibeth; Diaz, Jessica; Garbajosa, Juan...[et al.]. (5/5). 2014. A Framework for Positioning and Assessing Innovation Capability from an Organizational Perspective. 2014 47th Hawaii International Conference On System Sciences (Hicss). pp.3564-3573. WOS (1) <https://doi.org/10.1109/HICSS.2014.444>
- 13 YAGUE PANADERO, AGUSTIN; GARBAJOSA SOPEÑA, JUAN; PEREZ BENEDI, JENIFER...[et al.] (AC). (1/4). 2014. Analyzing software product innovation assessment by using a systematic literature review. 2014 47th Hawaii International Conference On System Sciences (Hicss). pp.5049-5058. SCOPUS (7) <https://doi.org/10.1109/HICSS.2014.620>
- 14 Garbajosa, Juan; Yagüe A; Gonzalez, Eloy. (2/3). 2014. Communication in Agile Global Software Development: An Exploratory Study. Lecture Notes In Computer Science. Springer.

- 8842, pp.408-417. ISSN 0302-9743. SCOPUS (6)
- 15 YAGUE PANADERO, AGUSTIN; GARBAJOSA SOPEÑA, JUAN; DIAZ FERNANDEZ, JESSICA...[et al.]. (1/6). 2013. Large-scale smart grids as system of systems. 1st Acm Sigsoft/Sigplan International Workshop On Software Engineering For Systems-Of-Systems, Sesos 2013 Proceedings. pp.38-42. ISBN 9781450320481. SCOPUS (16)
  - 16 YAGUE PANADERO, AGUSTIN; GARBAJOSA SOPEÑA, JUAN; PEREZ BENEDI, JENIFER...[et al.] (AC). (1/4). 2013. Change-impact driven agile architecting. Proceedings Of The Annual Hawaii International Conference On System Sciences. IEEE Computer Society. pp.4780-4789. ISSN 1530-1605. SCOPUS (8) <https://doi.org/10.1109/HICSS.2013.127>
  - 17 Oza, Nilay; Munch, Jurgen; Garbajosa, Juan...[et al.]. (4/5). 2013. Identifying Potential Risks and Benefits of Using Cloud in Distributed Software Development. Lecture Notes In Computer Science. Springer. 7983, pp.229-239. ISSN 0302-9743. SCOPUS (10) [https://doi.org/10.1007/978-3-642-39259-7\\_19](https://doi.org/10.1007/978-3-642-39259-7_19)
  - 18 Gutierrez, Cesar; Garbajosa, Juan; Diaz, Jessica...[et al.]. (4/4). 2013. Providing a Consensus Definition for the Term Smart Product. 2013 20th Annual IEEE International Conference And Workshops On The Engineering Of Computer Based Systems (Ecbs 2013). pp.203-211. SCOPUS (28) <https://doi.org/10.1109/ECBS.2013.26>
  - 19 Moreno A; Yagüe A. (2/2). 2012. Agile user stories enriched with usability. Lecture Notes In Business Information Processing. Springer Verlag. 111 LNBIP, pp.168-176. ISSN 1865-1348. SCOPUS (16) [https://doi.org/10.1007/978-3-642-30350-0\\_12](https://doi.org/10.1007/978-3-642-30350-0_12)
  - 20 GARBAJOSA SOPEÑA, JUAN; YAGUE PANADERO, AGUSTIN; PEREZ BENEDI, JENIFER...[et al.]. (2/4). 2011. Tailoring the scrum development process to address agile product line engineering. Proceedings Of The Jisbd 2011. pp.457-470. SCOPUS (6)

## C.2. Congress, indicating the modality of their participation (invited conference, oral presentation, poster)

- 1 Antonio de Antona; Andrea Villegas García; DIAZ FERNANDEZ, JESSICA. [et al.]. DevOps in Practice: A preliminary Analysis of two Multinational Companies. 20th International Conference on Product-Focused Software Process Improvement (PROFES 2019). 27/11/2019. Participatory - oral communication.
- 2 Daniel Alejandro Guamán Coronel; PEREZ BENEDI, JENIFER; RODRIGUEZ MORALES, GERMANIA DEL ROCIO...[et al.]. A Systematic Mapping Study of Product Line Architectures for Open Educational Resources. 28/05/2019. Participatory - oral communication.
- 3 Fernández Sánchez, Carlos; GARBAJOSA SOPEÑA, JUAN; YAGUE PANADERO, AGUSTIN. A framework to aid in decision making for technical debt management. 02/10/2015. Participatory - oral communication.
- 4 Mercedes Lopez-Perea; Eloy Gonzalez-Ortega; DIAZ FERNANDEZ, JESSICA. [et al.]. Towards a Reference Architecture for Large-Scale Smart Grids System of Systems.. 17/05/2015. Participatory - oral communication.
- 5 Fernández Sánchez, Carlos; GARBAJOSA SOPEÑA, JUAN; YAGUE PANADERO, AGUSTIN. An Analysis of Techniques and Methods for Technical Debt Management: A Reflection from the Architecture Perspective. 16/05/2015. Participatory - oral communication.
- 6 DIAZ FERNANDEZ, JESSICA; PEREZ BENEDI, JENIFER; Fernández Sánchez, Carlos...[et al.]. Arquitectura de referencia para smart grids basada en computación autónoma. 27/10/2014. Participatory - oral communication.
- 7 Eloy Gonzalez; GARBAJOSA SOPEÑA, JUAN; YAGUE PANADERO, AGUSTIN. Communication in Agile Global Software Development: An Exploratory Study. 27/10/2014. Participatory - oral communication
- 8 DIAZ FERNANDEZ, JESSICA; PEREZ BENEDI, JENIFER; GARBAJOSA SOPEÑA, JUAN...[et al.]. Change-Impact driven Agile Architecting. 16/09/2014. Participatory - oral communication.
- 9 DIAZ FERNANDEZ, JESSICA; PEREZ BENEDI, JENIFER; GARBAJOSA SOPEÑA, JUAN...[et al.]. Analyzing Software Product Innovation Assessment by Using a Systematic Literature Review. 06/01/2014. Participatory - oral communication.

- 10 Lilibeth Rodriguez; DIAZ FERNANDEZ, JESSICA; PEREZ BENEDI, JENIFER...[et al.]. A Framework for Positioning and Assessing Innovation Capability from an Organizational Perspective. 06/01/2014. Participatory - oral communication.
- 11 DIAZ FERNANDEZ, JESSICA; PEREZ BENEDI, JENIFER; GARBAJOSA SOPEÑA, JUAN...[et al.]. A Modeling Framework for Describing Flexible Software Product Line Architecture. 01/07/2013. Participatory - oral communication.
- 12 Moreno Sánchez-Capuchino, Ana María; YAGUE PANADERO, AGUSTIN. Agile User Stories Enriched with Usability. 21/05/2012. Participatory - oral communication.
- 13 DIAZ FERNANDEZ, JESSICA; PEREZ BENEDI, JENIFER; ALONSO VILLAVARDE, SANTIAGO...[et al.]. Un Primer Paso a la Agilidad: Retrospectivas para el Aprendizaje de la Ingeniería del SW. 20/10/2011. Spain. Participatory - oral communication.
- 14 DIAZ FERNANDEZ, JESSICA; PEREZ BENEDI, JENIFER; GARBAJOSA SOPEÑA, JUAN...[et al.]. Tailoring the Scrum Development Process to Address Agile Product Line Engineering. 05/09/2011. Participatory - oral communication.

**C.3. Research projects**, indicating your personal contribution. In the case of young researchers, indicate lines of research for which they have been responsible.

- 1 **Project.** PID2020-118969RB-I00, Sistemas IoT Conscientes de la Sostenibilidad y Dirigidos por Comunidades Sociales. Ministerio de Ciencia e Innovación (MICINN). GARBAJOSA SOPEÑA, JUAN. 01/09/2021-31/08/2024. 33.759 €. Team member.
- 2 **Project.** TIN2016-79726-C2-1-R, Arquitectura Adaptativa para Crowd-Sensing de Comunidades Eficientes. Ministerio de Economía y Competitividad (MINECO/SEIDI). PEREZ BENEDI, JENIFER; GARBAJOSA SOPEÑA, JUAN. 30/12/2016- 31/12/2020. 37.631 €. Team member.
- 3 **Project.** 644400, CPS Engineering Labs - expediting and accelerating the realization of cyber-physical systems.. Comisión Europea. GARBAJOSA SOPEÑA, JUAN; SANTAMARIA GALDON, MARIA ASUNCION. 01/02/2015-30/04/2018. 169.986 €. Team member.
- 4 **Project.** DPI2013-47450-C2-2-R, Plataforma para la Monotorización y Evaluación de la eficiencia de los Sistemas de distribución en Smart Cities. Ministerio de Economía y Competitividad. GARBAJOSA SOPEÑA, JUAN. 01/01/2014- 31/07/2017. 67.760 €. Team member.
- 5 **Project.** TIN2009-13849, Incorporing innovation in software engineering processes. Answaretech; Indra Sistemas S.A.; Ministerio de Ciencia e Innovación (MICINN); Telefónica Investigación y Desarrollo, S.A.. GARBAJOSA SOPEÑA, JUAN. 01/01/2010- 31/03/2013. 78.892 € Team member.
- 6 **Project.** IDI-20110864, NEMO&CODED. GARBAJOSA SOPEÑA, JUAN. 01/01/2011- 31/12/2012. 127.647,15 €. Team member.
- 7 **Project.** CEN-2009-1048, ENERGOS: Tecnologías para la gestión automatizada e inteligente de las redes de distribución energética del futuro. GARBAJOSA SOPEÑA, JUAN. 01/01/2010- 31/12/2012. 81.154,08 €. Team member.
- 8 **Project.** P100925107, ENERGOS: Tecnologías para la gestión automatizada e inteligente de las redes de distribución energética del futuro. OTT. GARBAJOSA SOPEÑA, JUAN. 21/09/2009- 31/12/2012. 218.217 €. Team member.
- 9 **Project.** IDI-20110864, NEMO&CODED. GARBAJOSA SOPEÑA, JUAN. 01/05/2011- 30/08/2012. 41.800 €. Team member.

**C.4. Contracts, technological or transfer merits,**

- 1 **Contract.** ICARIA TDM 01/07/2020-11/04/2023.
- 2 **Contract.** PROYECTO DE CONSULTORIA SOBRE CAMBIO CULTURAL Y TRANSFORMACION AGILE 20/09/2019-19/12/2019.
- 3 **Contract.** CARGA DE DATOS AL SISTEMA INTEGRADO DE INFORMACIÓN UNIVERSITARIA RELATIVA A ESTUDIANTES UNIVERSITARIOS BENEFICIARIOS DE UNA BECA O AYUDA PÚBLICA PARA REALIZAR SUS ESTUDIOS 02/12/2013- 03/11/2015