

Part A. PERSONAL INFORMATION

CV date	15/9/2018
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First and Family name	Antonio Vallecillo		
National ID number	25047092T	Age	55
Researcher IDs	WOS Researcher ID	B-1884-2014	
	Orcid code	0000-0002-8139-9986	

A.1. Current position

Name of University	Universidad de Málaga		
Department	Lenguajes y Ciencias de la Computación		
Address and Country	ETSI Informática. Blv. Louis Pasteur, 35 (29071) Málaga, Spain		
Phone number	(+34) 678998465	E-mail	av@lcc.uma.es
Current position	Catedrático Univ. (Full Professor)	From	17/11/2009
UNESCO Codes	120318, 120323		
Keywords	Software Engineering, Model-Based Software Engineering, Open Distributed Processing, Software Quality		

A.2. Education

Year	University	Degree	Title
1985	Universidad de Málaga	BSC	Licenciado en Matemáticas
1999	Universidad de Málaga	PhD	Doctor Ingeniero en Informática

A.3. Quality indicators (JCR articles, h Index, thesis supervised...)

- h-index: 15 (WoS), 25 (Scopus), 39 (Google Scholar)
- Total cites: 1416 (WoS), 1553 (Scopus), 4682 (Google Scholar)
- Average no. citations/year (last 5 years): 111 (WoS) 119 (Scopus) 320 (Google Scholar)
- Supervised thesis: 7
- Sexenios: 3 (1996-2001, 2002-07, 2008-13). Quinquenios: 5 (-2017)

Further indicators:

- Author of 42 JCR journal papers (Q1: 7 | Q2: 13 | Q3: 19 | Q4: 3), 13 non-JCR
- Author of 47 top-notch conference papers (3 best paper) (A+: 4 | A: 5 | B: 27 | C: 11)
- Author of 2 books and 15 book chapters.
- Author of 107 papers in other conferences and workshops
- Editor of 2 books (Springer and RA-MA),
- Editor of 14 journal special issues (10 of them in JCR journals)
- Editor of 25 conference proceedings (5 LNCS, 5 ACM/IEEE DL)

Part B. CV SUMMARY

Antonio Vallecillo is Full Professor of Computer Science at the University of Málaga. His research interests include Model-based Software Engineering (MBSE), open distributed processing (ODP) and software quality. Between 1986 and 1995 he was in the Computer Industry, working for Fujitsu and ICL both in Spain (1986-1991) and in the UK (1991-1994). In 1996 he joined the University of Málaga, where he currently conducts research on software modeling and analysis. He leads the ATENEA research group (<http://atenea.lcc.uma.es>) on Software Modeling and Analysis.

He has participated in 39 research project (4 European, 1 Iberoamerican, 7 National Projects, 1 PETRI, 1 FEDER, 12 Networks, 5 Integrated Actions, 4 Special Actions, 5 regional projects), being the IP of 14 of them.

He is involved in several standardization activities within AENOR, ISO, ITU-T and the OMG, and having being the Spanish representative at IFIP TC2 and ISO SC7, being co-editor of ISO/IEC standard 19793, ITU-T X.906 (UML4ODP) and of the revised version of RM-ODP (ISO/IEC 10746, Parts 2 and 3, ITU-T X.902 and ITU-T X.903). He is the leader of AEN/CTN 71 Working Group on "Techniques for the specification of IT Systems" (GT19) at AENOR. He has served as reviewer for CCSDS (Consultative Committee for Space Data Systems) and for NASA/JPL on the application of RM-ODP standards to the RASDS (Reference Architecture

for Space Data Systems) y Future Mars Network Architecture (2004-08) projects. He is also a certified Technical Expert at ENAC (Entidad de Acreditación Nacional), and serves since 2013 as Assessor for the Australian Research Council (ARC).

He has organized several international conferences, including ECOOP'02 and TOOLS'10, and has been the *General Chair* for MODELS'13 and ECOOP'17. He will also be the co-chair of CEDI 2020 in Málaga, Spain. He has initiated and organized the International Conference on Model Transformations (ICMT) and several series of international workshops (WODPEC, MDWE, MDI and VAO). He has served as PC Chair of several international conferences (ICMT'08, IDEAS'08, TOOLS Europe 2011, ECMFA'12, QoSA'12 and ICSOC'17), and national ones (JSWEB'08, JISBD'09). He is in the Editorial Board of the Software and Systems Modeling (Sosym) journal and of the Journal of Object Technology (JOT). He has been the keynote speaker for the international conferences ICPE'11 and for QUATIC'19.

He has been Vice-President of Postgraduate and Doctoral studies at the University of Málaga (2012-2016), being responsible for all Master and PhD programs, the University's Lifelong-Learning (LLL) and Continuing Education (CE) courses, and for the University's MOOCs program. Between 2014 and 2018 he has been the President of the Spanish Society on Software Engineering (SISTEDES, www.sistedes.es). Since 2017 he coordinates the Computer Science and Information Technologies (INF) area of the Evaluation and Coordination Sub-division (SCE, formerly ANEP) of the Spanish Research Agency (AEI).

Further information about his publications, research projects and tools developed by his research group is available at <http://www.lcc.uma.es/~av>. He can also be reached at Linked (<https://www.linkedin.com/in/avallecillo>) and Twitter (@AVallecillo)

Part C. RELEVANT MERITS

C.1. Publications

Selected JCR Journals (last 5 years)

- L. Burgueño, J. Boubeta-Puig, A. Vallecillo. "Formalizing Complex Event Processing Systems in Maude". *IEEE Access*, 6(1):23222-23241, 2018.
- F. Hilken, L. Burgueño, M. Gogolla, A. Vallecillo. "Testing Models and Model Transformations using Classifying Terms". *Software and Systems Modeling (Sosym)*, 17(3):885-912, 2018.
- L. Burgueño, M. Wimmer, A. Vallecillo. "A Linda-based Platform for the Parallel Execution of Out-place Model Transformations" *Information & Software Technology*, 79:17-35, 2016.
- L. Burgueño, J. Troya, M. Wimmer, A. Vallecillo. "Static Fault Localization in Model Transformations". *IEEE Transactions on Software Engineering* 41(5): 490-506, 2015
- J. Troya, A. Vallecillo. "Specification and Simulation of Queuing Network Models using Domain-Specific Languages". *Computer Standard & Interfaces* 36(5):863-879, 2014.
- H. Kilov, P. Linington, J.R. Romero, A. Tanaka, A. Vallecillo. "The Reference Model of Open Distributed Processing: Foundations, Experience and Applications" *Computer Standard & Interfaces* 35(3):247-256, 2013

Guest Editorials (last 5 years)

- A. Moreira, B. Schätz, P.J. Clarke, A. Vallecillo. Special issue on "Modeling: foundations and applications". *Software and System Modeling* 16(2): 309-311 (2017).
- A. Vallecillo, J.P. Tolvanen. Special issue on "modelling-foundations and applications". *Software and System Modeling (SoSym)* 14(1): 339-341 (2015).
- B. Bühnova, A. Vallecillo, N. Medvidovic, M. Larsson, J. López, J. Cuellar. Special Issue on "Component-Based Software Engineering and Software Architecture". *Science of Computer Programming* 90:67-70, 2014.
- G. J. Houben, N. Koch, G. Rossi, A. Vallecillo. Theme Section on "Model-Driven Web Engineering", *Software and Systems Modeling (SoSym)*, 12:11-13, 2013.

Books

- Peter F. Linington, Zoran Milosevic, Akira Tanaka, Antonio Vallecillo. “Building Enterprise Systems with ODP. An Introduction to Open Distributed Processing” Chapman & Hall/CRC Press. September 2011. ISBN: 978-1-4398-6625-2.
- R. Guerequeta, A. Vallecillo. Técnicas de Diseño de Algoritmos. SPICUM. 2000. (2 eds).
- J. García Molina, F. García López, V. Pelechano Ferragud, J. M. Vara Mesa, A. Vallecillo, C. Vicente-Chicote (Eds.) “Desarrollo de Software Dirigido por Modelos: Conceptos, Métodos y Herramientas”, RAMA, 2013. ISBN 978-84-9964-215-4.
- A. Cechich, M. Piattini, A. Vallecillo (Eds). “Component-Based Software Quality: Methods and Techniques” LNCS 2693, Springer-Verlag, June 2003. ISBN: 3-540-40503-8.

(Entries of all my publications are available from [DBLP](#), [Google Scholar](#), [Microsoft Academic Search](#), [ACM DL](#), [ArnetMiner](#) or [Researchgate](#))

C.2. Research Projects and Grants

Participation in EU PROJECTS

- Multi-Paradigm Modelling for Cyber-Physical Systems (MPM4CPS). **EU COST Action number IC1404** http://www.cost.eu/domains_actions/ict/Actions/IC1404. 25/11/2014 to 24/11/2018. PI: Hans Vangheluwe
- SeaClouds: Seamless adaptive multi-cloud management of service-based applications **EU Framework Programme (FP7)** Ref.: EC-FP7-ICT-610531 <http://www.seaclouds-project.eu/> 1/10/2013 a 30/3/2016. PI: E. Pimentel
- European Network of Excellence on Aspect-Oriented Software Development (AOSD Europe) **EU Framework Programme (FP6)** (Ref.: FP6-IST-004349). 01/09/2004 to 30/08/2009. PI: Awais Rachid
- SENSORIA (Software Engineering for Service-Oriented Overlay Computers) **EU Framework Programme (FP6)** (Ref.: FET-GC II IST-2005-16004) 1/9/2005 to 31/12/2009. PI: Martin Wirsing

FUNDED PROJECTS (Last 10 years)

- POLYCIMS: Un marco dirigido por modelos para el diseño e integración de Sistemas Inalámbricos de Gestión de Infraestructuras Críticas. (TIN2014-52034-R). 2015 to 2019. **179.300 € Principal investigator.**
- Sistemas Inalámbricos de Gestión de Información Crítica. Spanish (TIN2011-23795). 1/1/2012 to 31/12/2014. **106.800 €**
- MDD-MERTS: Diseño y Monitorización Dirigido por Modelos de Sistemas Empotrados y de Tiempo Real. MICINN (TIN2008-03107) 2009-2012. **268.620€ Principal investigator.**
- VIASCO: Visualización de anomalías en aplicaciones software basadas en componentes. Spanish PETRI (PET2006-0682-00). 05/12/07-5/12/09. **97.644€ Principal investigator.**
- MOVIS: Modernización y visualización de sistemas de información complejos. Junta de Andalucía. (P07-TIC-03184). 01/02/08 to 31/1/12 **297.668,08€ Principal investigator.**
- VILMA: Visualización y Medición de la Calidad del proceso, proyecto y producto software. Junta de Castilla-La Mancha. 01/04/11 to 31/03/13. **140.000€ Principal investigator.**
- IVISCUS: Indicadores para la visualización de la calidad en uso de sistemas software. Junta de Castilla-La Mancha. (PAC08-0024-5991). 2008-2012. **166.600€ Principal inv.**
- PICASSO: Propuesta Integrada para la Calidad de Sistemas Software. Proyecto Excelencia Junta de Andalucía. (P06-TIC-02250) 01/01/2007 to 31/12/2010. **250.000€**

FUNDED RESEARCH NETWORKS (Last 10 years)

- Red de Excelencia en Ingeniería del Software Dirigidos por Modelos (TIN2016-81836-REDT). 1/1/17 to 31/12/18. **15.000 €**
- Red de Excelencia en Ingeniería del Software Dirigidos por Modelos (TIN2014-53555-REDT). 1/1/2015 to 31/12/2016. **13.000 €**
- Red Científico-Tecnológica en Ciencias de los Servicios (TIN2011-15497-E) 1/09/2012 to 24/6/2014. **18.000 €**
- Red Temática en Tecnologías para el Desarrollo Industrial de Software (TeDIS) MICINN (TIN2011-15009-E). 20/01/2012 to 20/01/2013. **10.000 €**

C.4. Patents and other IPR

- **Where2Publish (W2P)** Coral Calero, M. Ángeles Moraga, Antonio Vallecillo, Manuel Fernández Bertoa. Número de asiento registral: 00/2014/1264. País: España. Núm. solicitud: CR-42-14. 20/02/2014,13:00

C.5. Research Management

- Coordinador del Área de Ciencias de la Computación y Tecnologías Informáticas (INF), Spanish Research Agency (AEI) (2017-present).
- Member of the evaluation panel for FPU Grants (2010-2012).
- Adjunto al Coordinador del Área de Ciencias de la Computación y Tecnologías Informáticas (TIN), ANEP (2006-2009).
- Member of the evaluation panel for “Ramón y Cajal” and “Juan de la Cierva” Spanish grants (Área TIN) 2007-2009, 2015, 2016.
- Project evaluation for ANEP, CYTED, FONCyT, Flemish Science Foundation, The Netherlands Organisation for Scientific Research (NWO) y ARC.
- Assessor, Australian Research Council (<http://arc.gov.au/>), 2013-present.
- Experto técnico y evaluador de ENAC (Entidad de Acreditación Nacional), 2011-present.

C.6. Community Service

- President of the Spanish Society of Software Engineering and Software Development Technologies (SISTEDES, www.sistedes.es) 2014-2018
- Member of the Steering Committee of ECOOP (AITO), STAF, ICMT, TOOLS, ECMFA, JCIS, and JSWEB conferences
- AITO Secretary (Association Internationale pour les Technologies d’Objets, www.aito.org) 2008-2010.
- General Chair of ECOOP 2017, Barcelona, Spain
- General Chair of IEEE/ACM MODELS 2013, Miami, Florida, US
- PC Chair of ICSOC 2017, ECMFA 2012, QoSA 2012, TOOLS Europe 2011, JISBD 2009, JSWEB 2008, ICMT 2008, IDEAS 2008
- Editorial Board Member of the Software and Systems Modeling (SoSym) journal (<http://www.sosym.org/>), Journal of Object Technology (<http://www.jot.fm/>) (also Special Section Editor, 2009-13), and of the Journal of Software (2005-10) (<http://www.academypublisher.com/jsw/>)
- Spanish representative at IFIP TC2 (2011-18), ISO, and AENOR
- Organizing Chair of TOOLS 2010 and ECOOP 2002
- Panels Chair of MODELS 2017, Austin, Texas, 2017.
- Tutorial Chair of MODELS 2012, Innsbruck, Austria
- Demo Chair of ICWE 2009
- Workshop Chair of EDOC 2006, EDOC 2008
- Publicity Chair of ICWE 2007
- Track/Workshop Organizer of 16 International Workshops
- Member of jury/External reviewer of 45 PhD defenses in Spain, and 17 in other countries (UK, Canada, Italy, Netherlands, Australia, Germany, Belgium)
- Editor of International Standards on RM-ODP: ISO/IEC 10746-2:2009, 10746-3:2009, and 19793:2015 (ITU-T X.902, X.903, X.906)

C.7. Awards

- 4 Best Paper Awards (ICWE 2005, ICMT 2010, JISBD 2011, MODELS 2015)

Full CV is downloadable from <http://www.lcc.uma.es/~av>