

**Part A. Personal Information**

<b>DATE</b>	28/2/2017
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Surname(s)	Vallecillo Moreno		
Forename	Antonio		
National ID (DNI)	25047092T	Birth date	27/12/1962
Researcher codes	WoS Researcher ID	B-1884-2014	
	SCOPUS Author ID	6601908160	
	ORCID	0000-0002-8139-9986	

**A.1. Current position**

Post/Professional Category	Catedrático de Universidad (Full Professor)		
UNESCO Code	120318, 120323		
Key Words	Software Engineering, Model-Driven Engineering, Open Distributed Processing, Software Quality		
Name of the University/Institution	Universidad de Málaga		
	Department/Centre	Lenguajes y Ciencias de la Computación. ETSI Informática	
	Full Address	Bulevar Louis Pasteur, 35. (29071) Málaga	
	Email Address	av@lcc.uma.es	
	Phone Number	+34.678998465	
Start date	17/11/2009		

**A.2. Education** (*title, institution, date*)

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

**A.3. Quality Indicators in Scientific Production**

<ul style="list-style-type: none"> <li>– Sexenios: 3 (1996-2001, 2002-07, 2008-13). Quinquenios: 5 (-2017)</li> <li>– Supervised PhDs: 7</li> <li>– Total cites: 1416 (WoS), 1448 (Scopus), 4520 (Google Scholar)</li> <li>– Average number of citations/year during last 5 years : 111,6 (WoS) 301 (Google Scholar)</li> <li>– h-index: 14 (WoS), 25 (Scopus), 38 (Google Scholar)</li> </ul> <p><b>Further indicators:</b></p> <ul style="list-style-type: none"> <li>– 42 JCR journal papers (Q1: 7   Q2: 13   Q3: 19   Q4: 3)</li> <li>– 46 top-notch conference papers (3 awarded as best paper) (A+: 5   A: 5   B: 25   C: 11)</li> <li>– Author of 2 books and 15 book chapters.</li> <li>– 95 papers in other conferences and workshops</li> <li>– Editor of 2 books (Springer and RA-MA),</li> <li>– Editor of 14 journal special issues (10 of them in JCR journals)</li> <li>– Editor of 25 conference proceedings (5 LNCS, 5 ACM/IEEE DL)</li> </ul>
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**Part B. Free Summary of CV** (*Max. of 3.500 characters, including spaces*)

<p>Antonio Vallecillo is 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 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 (<a href="http://atenea.lcc.uma.es">http://atenea.lcc.uma.es</a>) on Software Modeling and Analysis.</p> <p>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.</p>
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He is involved in several standardization activities within AENOR, ISO, ITU-T and the OMG, and is 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), and 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 as Assessor for the Australian Research Council (ARC).

He has organized several international conferences, including ECOOP'02 and TOOLS'10, and being the General Chair for MODELS 2013 and ECOOP 2017. 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 Vice-President of Postgraduate and Doctoral studies at the University of Málaga (2012-2016). Currently he is the President of the Spanish Society on Software Engineering (SISTEDES, [www.sistedes.es](http://www.sistedes.es)), and 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 from <http://www.lcc.uma.es/~av>.

## Part C. Accomplishments

### C.1. Publications

#### Selected JCR Journals (last 5 years)

- F. Hilken, L. Burgueño, M. Gogolla, A. Vallecillo. "Testing Models and Model Transformations using Classifying Terms". *Software and Systems Modeling* (Sosym), 2017. <http://link.springer.com/article/10.1007%2Fs10270-016-0568-3>
- 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).
- Jesús García Molina, Félix García López, Vicente Pelechano Ferragud, Juan Manuel Vara Mesa, Antonio Vallecillo, Cristina 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, ISSN: 0302-9743)

## 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](http://www.cost.eu/domains_actions/ict/Actions/IC1404). 25/11/2014 to 24/11/2018. IP: 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. IP: 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. IP: 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 (Associated Researcher from 7/11/2008, [http://sensoria.fast.de/index.php?option=com\\_content&task=view&id=64&Itemid=98](http://sensoria.fast.de/index.php?option=com_content&task=view&id=64&Itemid=98)). IP: Martin Wirsing

### FUNDED PROJECTS (Last 10 years) – as IP

- POLYCIIMS: Un marco dirigido por modelos para el diseño e integración de Sistemas Inalámbricos de Gestión de Infraestructuras Críticas. MICINN (TIN2014-52034-R). 2015 to 2018. **179.300 €**
- Sistemas Inalambricos de Gestión de Información Crítica. Spanish MICINN (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. Spanish MICINN (TIN2008-03107). 1/1/2009 to 31/6/2012. **268.620 €**
- VIASCO: Visualización de anomalías en aplicaciones software basadas en componentes. Spanish PETRI (PET2006-0682-00). 05/12/2007 to 5/12/2009. **97.644€**
- MOVIS: Modernización y visualización de sistemas de información complejos. Junta de Andalucía. (P07-TIC-03184). 01/02/2008 to 31/1/2012 **297.668,08€**
- VILMA: Visualización y Medición de la Calidad del proceso, proyecto y producto software. Junta de Castilla-La Mancha. 01-04-2011 to 31-03-2013. **140.000€**
- IVISCUS: Indicadores para la visualización de la calidad en uso de sistemas software. Junta de Castilla-La Mancha. (PAC08-0024-5991). 01/02/2008 to 31/1/2012. **166.600€**
- 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

- Red Científico-Tecnológica en Ciencias de los Servicios MICINN (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 €**
- Red Científico-Tecnológica en Arquitecturas y Desarrollo Orientado a Servicios. MICINN (TIN2010-09669-E). 1/12/2010 to 30/11/2011. **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) – previous ANEP (2017-2019).
- 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, Netherlands Organisation for Scientific Research (NWO) y ARC.
- Assessor, Australian Research Council (<http://arc.gov.au/>), 2013 onwards
- Experto técnico y evaluador de ENAC (Entidad de Acreditación Nacional), 2011 onwards

#### C.6. Community Service

- President of the Spanish Society of Software Engineering and Software Development Technologies (SISTEDES, [www.sistedes.es](http://www.sistedes.es))
- Steering Committee member of ECOOP (AITO), STAF, ICMT, TOOLS, ECMFA, JCIS, and JSWEB conferences
- AITO Secretary (Association Internationale pour les Technologies d'Objets, [www.aito.org](http://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/>) (Special Section Editor, 2009-13), and of the Journal of Software (2005-10) (<http://www.academypublisher.com/jsw/>)
- Spanish representative at ISO, AENOR, and IFIP TC2
- 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: VAO 2013@MODELS, MDI 2010@MODELS, MDWE 2010@ICWE, WODPEC 2010@EDOC, MDWE 2009@ICWE, MDWE 2008@MODELS, WODPEC 2007@EDOC, MT 2007@SAC, MDWE 2006@ICWE, MT2006@SAC, WODPEC 2005@EDOC, MDWE 2005@ICWE, WODPEC 2004@EDOC, WOI 2000@ECOOP, WOI 1999@ECOOP
- Member of jury/External reviewer of 45 PhD defenses in Spain, and 18 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)