

Part A. PERSONAL INFORMATION

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| CV date | 06/2021 |
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| First and Family name | Amador Durán Toro | | |
| Researcher numbers | Researcher ID | O-4248-2014 | |
| | Orcid code | 0000-0003-3630-5511 | |

A.1. Current position

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| Name of University | Universidad de Sevilla | | |
| Department | Lenguajes y Sistemas Informáticos | | |
| Address and Country | ETS Ingeniería Informática, Avda. Reina Mercedes s/n | | |
| Phone number | 954553872 | E-mail | amador@us.es |
| Current position | Profesor Titular de Universidad | From | 29/01/2004 |
| UNESCO codes | 120317, 120318, 120311 | | |
| Keywords | Empirical Software Engineering, Requirements Engineering, Business Process Modeling, Software Testing | | |

A.2. Education

| Qualification | University | Year |
|---------------------------|------------------------|------|
| Licenciado en Informática | Universidad de Sevilla | 1993 |
| Diploma en Lengua Inglesa | Universidad de Sevilla | 1995 |
| Doctor en Informática | Universidad de Sevilla | 2000 |

A.3. JCR articles, h Index, thesis supervised...

- Two positive six-year research evaluations: 2000-2005, 2008-2015.
- Three PhDs as co-director, one with extraordinary mention.
- 1378 citations according to Google Scholar (GS), with a 20 h-index and a 30 i-10 index. (<https://goo.gl/l7Z9LD>).
- 281 citations according to Web of Science (WoS), with a 10 h-index and 12.22 citations per article in average.
- 11 articles published/to be published in JCR-indexed journals.
- 10 papers in GII-GRIN-SCIE-indexed conferences ranked as class 2.
- Only developer of the REM (REquirements Manager) tool, downloaded more than 38K times and used under agreement in more than 60 companies and universities (<https://bit.ly/2labPhz>).
- Main author of the of Requirements Engineering area of the MADEJA framework of the Junta de Andalucía (<http://bit.ly/2jrj2s>).
- PI of two knowledge-transfer contracts funded with approximately 180K €.
- PI of an autonomic research project (2020-2022) funded with approximately 120K €.

Part B. CV SUMMARY (max. 3500 characters, including spaces)

Dr. Durán Toro has a professional career of 25 years at the University of Seville. He is currently a "Profesor Titular de Universidad" and carries out his research work in the research group "Ingeniería del Software Aplicada" (ISA), made up of 13 doctors and 8 engineers.

His first research works were guided by his teaching needs in databases and software engineering, a line that continued until the elaboration of his PhD thesis in Requirements Engineering, with 115 citations according to GS. One of the results of his thesis was the REM tool (REquirements Manager), which has been downloaded more than 38,600 times and is used in numerous companies and universities.

As a continuation of his research line in Requirements Engineering, two other related lines were opened: one related to Empirical Software Engineering, leading to the PhD theses of Dr. Beatriz Bernárdez (co-directed with Dr. Marcela Genero of the UCLM) and Dr. Margarita Cruz (co-directed with Dr. Beatriz Bernárdez), and another one to Software Product Lines, leading to the PhD thesis of Dr. Benavides (co-directed with Dr. Antonio Ruiz-Cortés, PI of the ISA research group).

Once he finished his stage as Deputy Director of International Relations of the E.T.S.I. de Informática of the University of Seville (2006-2010), new works were initiated with other members of the ISA group in the areas of (1) Business Process Management, in collaboration with Drs. Del-Río-Ortega, Resinas and Ruiz-Cortés; (2) in the area of Testing, in collaboration with Drs. Segura, Troya and Parejo; and (3) in the area of Empirical Software Engineering with Drs. Bernárdez and Parejo, including the co-direction of the PhD thesis of M. Cruz with Dr. Bernárdez.

Part C. RELEVANT MERITS

C.1. Publications (last 5 years)

1. B. Bernárdez; A. Durán; J. A. Parejo; N. Juristo; A. Ruiz-Cortés, “Effects of Mindfulness on Conceptual Modeling Performance: a Series of Experiments”, IEEE Transactions on Software Engineering, accepted for publication in 2020 [JCR FI (2019): 6.112 (Q1) CS/SE] <https://doi.org/10.1109/TSE.2020.2991699>
2. A. del-Río-Ortega, M. Resinas, A. Durán, B. Bernárdez, A. Ruiz-Cortés, M. Toro, “VISUAL PPINOT: A Graphical Notation for Process Performance Indicators”, Business & Information Systems Engineering, published on-line 20/06/2017. [JCR FI (2017): 2.596 (Q2) CS/IS] <https://doi.org/10.1007/s12599-017-0483-3>
3. S. Segura, J. Troya, A. Durán, A. Ruiz-Cortés, “Performance Metamorphic Testing: A Proof of Concept”, Information and Software Technology, 98:1–4, 2018. [JCR FI (2017): 2.627 (Q1) CS/SE] <https://doi.org/10.1016/j.infsof.2018.01.013>
4. B. Bernárdez, A. Durán, J. A. Parejo, A. Ruiz-Cortés, “An Experimental Replication on the Effect of the Practice of Mindfulness in Conceptual Modeling Performance”, Journal of Systems and Software, 136:153–172, 2018. [JCR FI (2017): 2.278 (Q1) CS/SE, CS/TM] <https://doi.org/10.1016/j.jss.2016.06.104>
5. A. Durán, D. Benavides, S. Segura, P. Trinidad, A. Ruiz-Cortés, “FLAME: a Formal Framework for the Automated Analysis of Software Product Lines Validated by Automated Specification Testing”, Software and Systems Modeling, 16(4): 1049–1082, 2017. [JCR FI (2017): 1.722 (Q2) CS/SE] <https://doi.org/10.1007/s10270-015-0503-z>
6. A. del-Río-Ortega, M. Resinas, A. Durán, A. Ruiz-Cortés, “Using Templates and Linguistic Patterns to Define Process Performance Indicators”, Enterprise Information Systems, 10(2): 159–192, 2016. [JCR FI (2016): 1.908 (Q2) CS/IS] <https://doi.org/10.1080/17517575.2013.867543>
7. S. Segura, A. Durán, A. B. Sánchez, D. Le Berre, E. Lonca, A. Ruiz-Cortés, “Automated Metamorphic Testing of Variability Analysis Tools”, Software Testing, Verification and Reliability, 25(2): 138–163, March, 2015. [JCR FI (2015): 1.082 (Q2) CS/SE] <https://doi.org/10.1002/stvr.1566>
8. A. del-Río-Ortega, A. M. Gutiérrez, A. Durán, M. Resinas, A. Ruiz-Cortés, “Modelling Service Level Agreements for Business Process Outsourcing Services”, Proc. of CAiSE 2015, pp. 485–500. [GGS Rating A, GGS Class 2] https://doi.org/10.1007/978-3-319-19069-3_30

C.2. Research projects and grants (last 5 years)

- EKIPMENT PLUS: Mejora del rendimiento de procesos basados en conocimiento: Un enfoque empírico multidisciplinar basado en personas, equipos, software y datos. Consejería de Economía y Conocimiento, Junta de Andalucía (P18-FR-2895). 01/01/2020-31/12/2022. 120.625€. IP: Manuel Resinas and Amador Durán.
- OPHELIA: Optimisation of human-based knowledge-intensive services with service-based applications. Ministerio de Ciencia, Innovación y Universidades (RTI2018-101204-B-C22). 01/10/2019-21/12/2021. 148.000€. IP: Manuel Resinas and David Benavides.
- RISE BPM: Propelling Business Process Management by Research and Innovation Staff Exchange. European Commission (H2020-645751). 01/05/2015-30/04/2019. IP: Manuel Resinas and Antonio Ruiz-Cortés.
- BELL: Tecnologías para Servicios Cloud Híbridos, Altamente Configurables y Regulados por ANS, Ministerio de Economía y Competitividad (TIN2015-70560-R). 01/01/2016-31/12/2018. 101.800€. IP: Antonio Ruiz Cortés and Manuel Resinas.
- COPAS. eCcosystems for Optimized Process As a Service. Consejería Innovación, Ciencia y Empresa, Junta de Andalucía (Proyectos de Excelencia Motriz, P12-TIC-1867). 30/01/14-29/01/18. 297.571 €. IP: Antonio Ruiz-Cortés
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C.3. Contracts

- “ALCUZA. Desarrollo de un entorno ALM (Application Lifecycle Management) orientado a procesos compatible con CMMI–DEV nivel 2”, Cajasol, 01/09/2008 a 30/04/2010, 179.585 €, IP: Amador Durán
- “MADEJA–IR. Ingeniería de Requisitos en el Marco de Desarrollo de la Junta de Andalucía (MADEJA)”, SADESI, 01/04/2009 a 30/10/2009, 31.192 €, IP: Amador Durán
- “MASTER. Military Applications of Simulation and Training concepts based on Empirical Research”, Sainsel Sistemas Navales S.A., 1996 a 1998, 72.000 € IP: Amador Durán

C.4. Patents/Registered software

- REquirements Management 1.2.2 (REM), Nº de solicitud/registro: SE–1290–05, 29/11/2005, entidad titular: Universidad de Sevilla.
- Formal Framework for the Automated Analysis of Software Product Lines 1.0 (FLAME), Nº de solicitud/registro: SE–1160–15, 22/12/2015, entidad titular: Universidad de Sevilla.

C.5 Institutional responsibilities

- Subdirector de Relaciones Internacionales de la E.T.S.I. de Informática de la U. de Sevilla (2006-2010)
- Coordinador del Grado de Ingeniería Informática – Ingeniería del Software (since 2018).