

## Parte A. DATOS PERSONALES

**Fecha del CVA** 30/03/2016

|                                      |                        |                     |    |
|--------------------------------------|------------------------|---------------------|----|
| Nombre y apellidos                   | Mariano Rico Almodóvar |                     |    |
| DNI/NIE/pasaporte                    | 51665411M              | Edad                | 49 |
| Núm. identificación del investigador | Researcher ID          | A-5566-2008         |    |
|                                      | Código Orcid           | 0000-0001-5878-8521 |    |

### A.1. Situación profesional actual

|                       |   |                    |  |
|-----------------------|---|--------------------|--|
| Organismo             | Universidad Politécnica de Madrid   |                    |  |
| Dpto./Centro          | Inteligencia Artificial / Escuela Técnica Superior de Ingenieros Informáticos |                    |  |
| Dirección             | Campus de Montegancedo, sn<br>Boadilla del Monte, 28660 Madrid                |                    |  |
| Teléfono              | 625712278   | correo electrónico | <a href="mailto:Mariano.rico@fi.upm.es">Mariano.rico@fi.upm.es</a> |
| Categoría profesional | Contratado Juan de la Cierva  | Fecha inicio       | 01/11/2013   |
| Espec. cód. UNESCO    | 330400 - Computer technology  |                    |  |
| Palabras clave        | Semantic web, linked data, query answering                                    |                    |  |

### A.2. Formación académica (*título, institución, fecha*)

| Licenciatura/Grado/Doctorado                         | Universidad                    | Año  |
|--|--------------------------------|------|
| Ingeniería Informática y Telecomunicación            | Universidad Autónoma de Madrid | 2009 |
| Diploma de estudios avanzados (equivalente a máster) | Universidad Autónoma de Madrid | 2004 |
| Licenciado en CC. Físicas (equivalente a máster)     | Universidad Autónoma de Madrid | 1992 |

### A.3. Indicadores generales de calidad de la producción científica

Datos de ISI-WOS (ver <http://www.researcherid.com/rid/A-5566-2008>):

- Número de publicaciones: 18 (9 article, 9 proceedings paper)
- Número de publicaciones con datos de citas: 15
- Índice H: 4
- Número de citas: 41
- Número de citas periodo 2011-2015: 4+5+5+5+2 =21
- Promedio de citas periodo 2011-2015 = 21/5 = 4.2
- Publicaciones en Q1: 2 (en ambas como **primer autor**)

Datos de Google Scholar (ver <http://scholar.google.com/citations?user=hl5WPQEAAAAJ>):

- Número de publicaciones: 45
- Índice H: 9
- Número de citas: 293 (137 desde 2011)

### Acreditaciones

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ANECA: **Titular de Universidad** (septiembre 2012).

Profesor Titular de Universidad y todas las categorías inferiores

ACAP: Contratado Doctor (enero 2010).

Ayudante Doctor y Doctor Universidad Privada (octubre 2009)

## Parte B. RESUMEN LIBRE DEL CURRÍCULUM

### Professional biography

Mariano Rico is a Postdoctoral Researcher (funded by National Spanish Research Ministry under Juan de la Cierva Programme) at the Ontology Engineering Group (OEG) in the Artificial Intelligence Department (DIA) at Universidad Politécnica de Madrid (UPM), Spain.

He was also Honorary Professor at the Computer Science and Engineering Department (EPS) of the Autonomous University of Madrid (UAM).

During 2010-2013 he was a postdoctoral Teaching Assistant at EPS-UAM in the GHIA Research Group. In 2010 he was a postdoc researcher at EPS-UAM and Associate professor at the Telematics' Engineering Department in the Universidad Carlos III de Madrid (UC3M). From 2003 to 2009 he was a teaching assistant at the EPS-UAM.

Mariano holds a MSc. in Physics Sciences (1992) (Fundamental Physics specialist), MSc. (Advanced Studies Diploma) in Computer Science and Telecommunication (2004) and a PhD. in Computer Science and Telecommunication (2009) by Universidad Autónoma de Madrid (UAM). He is accredited as Associate Professor since January 2010 and as Lecturer since September 2012 by the Spanish quality agency ANECA (a full member of European Association for Quality Assurance in Higher Education).

His research activities are focused on Semantic Web and Linked Data, but he is also interested in Natural Language, Virtual Worlds, Human-Computer Interaction and Web Technologies.

From 1992 to 2003 he worked in private R&D centers as Software Engineer, Software Architect and Project Manager in different research and applied fields related to new technologies. He had two predoctoral stays at Digital Enterprise Research Institute (DERI) in 2004 and 2005, in which he was also Erasmus Teacher at the National University of Ireland, Galway (NUIG). In 2011 he had a short stay at the Web-based Systems Group, Freie Universität (FU) at Berlin (Germany). From 2013 he also is related to the AKSW Research Group (Leipzig University, Germany) for his involvement as head of the DBpedia Spanish chapter. From 2014 he is related to the Semantic Computing Group (univ. Bielefeld, Germany), with activities related to Question Answering, Linguistics and Linked Data.

### Main scientific and technological achievements

During his period in private companies (1993-2003) he worked in Human-Computer Interaction, Multiplatform User Interfaces and Advanced Web Technologies. In the pre-doctoral period (2003-2009) he was focused on Semantic Web. Currently, in his first post-doctoral period (2009-2014) he combined his main line in Semantic Web and Linked Data with a research line based on non-immersive virtual worlds. From 2014 I also works with Natural Language applied to Linked Data, specifically, ontology lexicalization and software systems aimed at creating guided pseudo-natural language queries.

### Line of research goals (in the medium- and long-term)

His current 3 year contract is focused on Natural Language and Linked Data, specifically, creation of ontology lexicalizations and software systems aimed at creating guided pseudo-natural language queries.

A detailed description can be found at

<http://sites.google.com/site/marianorico/welcome/research>

His publications can be found here:

- ISI-WOS Researcher ID: <http://www.researcherid.com/rid/A-5566-2008>
- ORCID profile: <http://orcid.org/0000-0001-5878-8521>
- Google Scholar profile: <http://scholar.google.com/citations?user=hl5WPQEAAAAJ>
- ResearchGate profile: [https://www.researchgate.net/profile/Mariano\\_Rico](https://www.researchgate.net/profile/Mariano_Rico)

## Parte C. MÉRITOS MÁS RELEVANTES

### C.1. Publicaciones

- 1 Scientific paper.** M. Rico; D. Camacho; Ó. Corcho. (3/1). 2010. A Contribution-based Framework for the Creation of Semantically-enabled Web Applications. Information Sciences. 180-10, pp.1850-1864.
- 2 Scientific paper.** M. Rico; et al. (4/1). 2011. A Semantically Enhanced UPnP Control Point to Enhance Multimedia Home Sharing Networks. IEEE Internet Computing. 15-6, pp.58-64.
- 3 Scientific paper.** M. Rico; et al. (5/1). 2011. A Programming Experience of High School Students in a Virtual World Platform. International Journal of Engineering Education. 27-1, pp.52-60.
- 4 Scientific paper.** J. Ramírez; et al (5/2). 2011. An OpenSim-based Virtual Lab for biotechnology education. IEEE Learning Technology. pp.18-20. ISSN 1438-0625.

- 5 Scientific paper.** M. Rico; et al. (4/1). 2010. A Tool Suite to Enable Web Designers, Web Application Developers and End-users to Handle Semantic Data. International Journal On Semantic Web and Information Systems. 6-3, pp.38-60.
- 6 Scientific paper.** M. Rico; et al. (5/1). 2010. Enabling Intelligent Service Discovery with GGODO. Journal of Information Science and Engineering. 26-4, pp.1161-1180.
- 7 Scientific paper.** M. Rico. (1/1). 2010. Simplifying Semantic Web Application Development and Semantic Data Usage. AI Communications. 23-1, pp.25-26.
- 8 Scientific paper.** M. Rico, C. Unger. (2/1). 2015. Lemonade: A Web Assistant for Creating and Debugging Ontology Lexica. NLDB 2015. LNCS vol. 9103, pp. 448-452.
- 9 Book chapter.** P. Castells; et al. (11/4). 2006. Newspaper Archives on the Semantic Web. HCI Related Papers of Interaction 2004". R. Navarro, J. Lorés R. (Eds.), 2006.Springer. pp.267-276. ISBN 1-4020-4204-3.
- 10 Scientific book or monograph.** Mariano Rico. (1/1). 2012. Aplicaciones Web semánticas y datos semánticos. Editorial Académica Española. ISBN 3-84845-187-5.

## **C.2. Proyectos**

- 1** SlideWiki (EU ref. 688095). Call H2020-ICT-2015. Large-scale pilots for collaborative OpenCourseWare authoring, multiplatform delivery and Learning Analytics. Sören Auer. Fraunhofer-Institute for Intelligent Analysis and Information Systems. 01/01/2016-31/12/2018. **Investigador**. 6.879.040 € (total), 459.000€ (UPM).
- 2** Application of the IBM Watson ecosystem for providing technology intelligence services to small and medium enterprises. IBM. Call: IBM Shared University Research (SUR) 2015. Asunción Gómez Pérez. UPM. 01/11/2015-01/11/2017. **Investigador**. 200.000 €.
- 3** TIN2013-46238-C4-2-R. 4V: Volumen, velocidad, variedad y validez en la gestión innovadora de datos. MINECO. Call: Retos. Asunción Gómez Pérez. UPM. 01/01/2014-31/12/2016. **Investigador**. 287.712 €.
- 4** LIDER (EU ref. 610782 ). Call: CT-2013.4.1. Linked Data as an enabler of cross-media and multilingual content analytics for enterprises across Europe). EU. Asunción Gómez Pérez. UPM. 01/11/2013-31/10/2016. **Investigador**. 1.482.000 €.
- 5** UNPM13-4E-1814. esDBpedia: núcleo central de los datos enlazados del idioma español. MINECO. Call: Infraestructuras y equipamiento 2013. Mariano Rico Almodóvar. UPM. 01/01/2013-31/12/2015. **Investigador Principal**. 15.184 €.
- 6** TIN2011-24139. Go Lite: Engineering Complex Systems with Simpler model driven engineering. Ministerio de Ciencia e Innovación. Call: Retos. Juan de Lara Jaramillo. UPM. 01/01/2012-31/12/2013. **Investigador**. 127.700 €.
- 7** PEIA-UPM. Plataforma de Experimentación para los estudios de Ingeniería y Arquitectura de la UPM. Innovación Docente UPM. Marta Berrocal Lobo. 01/09/2009-01/10/2010. **Coordinador Técnico**. 40.000€

## **C.3. Contratos, méritos tecnológicos o de transferencia**

## **C.4. Patentes**

Mariano Rico Almodóvar. INTELLECTUAL PROPERTY REGISTRATION. Notarial certificate: Canal OSI v1.0. 02/2002. Telefónica I+D.