

CURRICULUM VITAE (CVA)

CV date 21/07/2023

Part A. PERSONAL INFORMATION

First name	Áurea	Family name	Anguera de Sojo Hernández
Gender (*)	Female	Birth date (dd/mm/yyyy)	11/06/1971
Social Security, Passport, ID number		281159452353	
e-mail	aureamaria.angueradesojo@upm.es	Web	aida.etsisi.upm.es/member/aurea-maria-anguera-de-sojo-hernandez/
Open Researcher and Contributor ID (ORCID) (*)			0000-0003-3637-0591

A.1. Current position

Job Title	Senior Lecturer	Initial date	11/01/2002
Institution	Universidad Politécnica de Madrid		
Department/Center	Computer Systems Engineering	ETSISI	
Country	Spain	Phone Number	+34629445114
Keywords	Artificial Intelligence, IT Law and Ethics, Social Networks Analysis, Social Mining, Disinformation		

A.2. Previous positions (research activity interruptions, art. 14.2.b)

Period	Position/Institution/Country/Interruption cause
2002-2012	Assistant Professor/Universidad Politécnica de Madrid
2012-2023	Senior Lecturer/Universidad Politécnica de Madrid

A.3. Education

Degree/Master/PhD	University / Country	Year
PhD on Computer Science	Universidad de Coruña/Spain	2011
Degree on Law	Universidad Pontificia de Comillas/Spain	1993
Degree on Economics	Universidad Pontificia de Comillas/Spain	1995

Part B. RELEVANT MERITS (max. 2 pages)

C.1. Publications (not mandatory)

1. "The Paternity of the Modern Computer". Juan A Lara; Juan Pazos; Aurea Anguera de Sojo; Shadi Aljawarneh. Foundations of Science 2022. SPRINGER NATURE. 27, pp.1029-1040. ISSN 1233-1821. <https://doi.org/10.1007/s10699-021-09797-y> (Q2)
2. "Developing Big Data Projects in Open University Engineering Courses: Lessons Learned". Juan A Lara; Aurea Anguera de Sojo; Shadi Aljawarneh; Robert P. Schumaker; Bassam Al-Shargabi. 2020. IEEE ACCESS. IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC. 8, pp.22988-23001. ISSN 2169-3536.
3. "A Reinforcement Learning Model Equipped with Sensors for Generating Perception Patterns: Implementation of a Simulated Air Navigation System Using ADS-B (Automatic Dependent Surveillance-Broadcast) Technology Sensors". Santiago Álvarez de Toledo; Aurea Maria Anguera de Sojo Hernandez; Jose Maria Barreiro Sorribas; Juan A. Lara; David Lizcano. 2017.. MDPI AG. 17-1, pp.1-27. ISSN 1424-8220. Q2 <https://doi.org/10.3390/s17010188>
4. "Turing: The Great Unknown". Juan A Lara; David Lizcano; María Aurora Martínez; Juan Pazos; F. David De la Peña. 2020. Foundations of Science. Springer. 25-4, pp.1203-1225. ISSN 1233-1821. <https://doi.org/10.1007/s10699-019-09596-6>
5. "A metrology-based approach for measuring the social dimension of cognitive trust in collaborative networks". Javier Andrade García; Áurea Anguera de Sojo Hernández; Juan Ares Casal; Rafael García Vázquez; Juan Alfonso Lara Torralbo; David Lizcano Casas; Santiago Rodríguez Yañez; Sonia Suárez Gamboa. 2020.. Cognition

Technology and Work. SPRINGER LONDON LTD. 22-2, pp.1-14. ISSN 1435-5558.
<https://doi.org/10.1007/s10111-018-0483-1>

6. "Particularities of data mining in medicine: lessons learned from patient medical time series data analysis". Shadi Aljawarneh; Áurea Anguera de Sojo; John William Atwood; Juan A Lara; David Lizcano. 2019.. EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING. SPRINGEROPEN. 2019-260 (2019), pp.1-29. ISSN 1687-1472.
7. "A metrology-based approach for measuring the social dimension of cognitive trust in collaborative networks". Andrade-Garda, J.; Anguera, Á; Ares-Casal, J.; García-Vázquez, R.; Lara, J.-A.; Lizcano, D.; Rodríguez-Yáñez, S.; Suárez-Garaboa, S. 2018. CognitionTechnology and Work. Springer London LTD. 19-2, pp.1-14.
8. "Applying data mining techniques to medical time series: an empirical case study in electroencephalography and stabilometry". a. anguera; j. m. barreiro; j. a. lara; d. lizcano. 2016.. COMPUTATIONAL AND STRUCTURAL BIOTECHNOLOGY JOURNAL. ELSEVIER SCIENCE BV.14, pp.185-199. Q1. ISSN2001-0370.
<https://doi.org/10.1016/j.csbj.2016.05.002>
9. "INTRODUCING ETHICAL, SOCIAL AND ENVIRONMENTAL ISSUES IN ICT ENGINEERING DEGREES". Rafael Miñano Rubio; Maria Celia Fernandez Aller; Aurea Maria Anguera de Sojo Hernandez; Eloy Portillo Aldana. 2015. Journal of Technology and Science Education. Vol 5(4)-Vol 5 (4), pp.86-99. ISSN 2014-5349.
10. "Serendipity and the Discovery of DNA". Aurea Maria Anguera de Sojo Hernandez; Juan Ares; María Aurora Martínez rey; Juan Pazos Sierra; Santiago Rodríguez; Jose Gabriel Zato Recellado. 2014. Foundations of Science. SPRINGER. 19 Issue 4-null, pp.387-401. ISSN 1233-1821. Q2. <https://doi.org/10.1007/s10699-014-9348-0>
11. "Turing and the Serendipitous Discovery of the Modern Computer". aurea anguera de sojo; juan pazos; juan ares; juan a. lara; david lizcano; maria a. martinez. 2013. FOUNDATIONS OF SCIENCE. 18-3, pp.545-557. ISSN 1233-1821.
<https://doi.org/10.1007/s10699-013-9327-x>

C.2. Contracts, technological or transfer merits (not mandatory)

1. Contract. SAMSUNG SMART SCHOOL Samsung Electronics Iberia España, SAU. Aurea Anguera de Sojo Hernández. (Universidad Politécnica de Madrid). 01/10/2018-01/10/2019. Funding: 60.984 €.
2. Contract. Realización de informe de asesoría y adaptación a la Ley Orgánica de Protección de Datos Empresa HINRICHS Software. María Celia Fernández Aller. 10/12/2015-10/12/2016. Funding: 1.452 €.
3. Contract. Cátedra Ingenio para el Emprendimiento Tecnológico Ingenio Labs, S.L. Áurea Anguera de Sojo Hernández. 25/02/2015-25/02/2018. Funding: 90.000 €.
4. Contract. Estudio de Líneas Estratégicas para el Acceso de las Personas con Discapacidad a las Nuevas Tecnologías Comunidad de Madrid. Consejería de Familia y Asuntos Sociales. José Gabriel Zato Recellado. 30/10/2005-27/02/2009. Funding: 49.657,98 €.

C.3. Editorship activity

1. Member IEEE EDUCOM 2010 Technical Committee
2. Member CONSEJO EDITORIAL REVISTA INDEX COMUNICACIÓN. Universidad Rey Juan Carlos (Spain) 01/04/2014-31/03/2017

C.5. Others (awards, international research stays, etc.)

1. Academic Secretary of the PhD Program in Computer Science and Technologies for Smart Cities (UPM)
2. Member Master Program in Machine Learning and Big Data (UPM).
3. Member Master Program in Cybersecurity (UPM)

Part B. RESEARCH PROJECTS RELATED WITH THE CURRENT ACTION (*max. 1 page*)

1. TITLE: Malicious actors profiling and detection in Online Social Networks through Artificial (MARTINI). Coordinator David Camacho. Funded by: AEI-PCI. (CHIST-ERA-21-OSNEM-004). Consortium: 6 partners, 5 countries. 2022-2025. Funding: 866.991,04 € (UPM: 195.458,58€)
2. TITLE: Iberian Digital Media Research and Fact-Checking Hub (IBERIFIER). Coordinator: Ramón Salaverría (Univ. de Navarra), David Camacho (PI-UPM). Funded by: European Union. CEF-TC-2020-2 – European Digital Media Observatory. 2021-2024. Consortium: 23 partners, 2 countries. Funding: 1,476,315.00 € (UPM: 52.500 €)
3. TITLE: XAI-DisInfodemics: eXplainable AI for disinformation and conspiracy detection during infodemics (XAI-DISINFORMATION). Coordinator: Paolo Rosso (UPV), David Camacho (PI-UPM). Consortium: 5 partners. Funded by: Ministerio de Ciencia e Innovación ((PLEC2021-007681). 2021-2024. Financiación: 419.876,50 € (UPM: 70.611,00 €)
4. TITLE: Fighting against Information DISorders in Online Social Networks (FightDIS). PI: David Camacho. Funded by: Ministerio de Ciencia e Innovación (PID2020-117263GB-100). 2021-2024. Funding: 92,444.00 € (UPM)
5. TITLE: S-0505/DPI/0329, SEGVAUTO Seguridad en Vehículos Automóviles con especial Atención a Usuarios de Movilidad Reducida. Comunidad de Madrid. 01/12/2005-01/01/2010. Funding: 93.764 € (ETSISI UPM)

Part C. SUMMARY OF CV, HIGHLIGHTING INTERDISCIPLINARITY (*max. 1 page*)

Degree on law and on Economics and Business Studies. PhD in Computer Science.
Currently Senior Lecturer in the Computer Systems Engineering Department at the Technical University of Madrid (UPM).

My professional career is defined by my dual training. Both in teaching and in research, I have developed an interdisciplinary profile in the different projects in which I have participated over the years. The interdisciplinary nature allows me to develop and contribute to the different projects in which technology or artificial intelligence affect aspects such as privacy or the analysis of the ethical impact of technological advances in the social context.

As far as my research career is concerned, it has been characterized by an eminently interdisciplinary approach related to my academic training. From 2012 to 2021 I was part of the Engineering and Knowledge Management Research Group at UDIMA. In this group we have carried out several high impact projects and publications in different research areas addressed by its members. We have worked on the definition of events in time series in the medical field. In my case, the research area has been linked to data analysis, addressing both the technological and legal and ethical aspects.

Since June 2021, I have been part of the research group AIDA (Applied Intelligence and Data Analysis research group), at the Polytechnic University of Madrid. In this group I am currently participating in 4 National and European Projects and focusing my activity on Social Network Analysis and Data Mining and Disinformation. These projects involve again the double aspect linked to my training as well as the interdisciplinary analysis of the different aspects of the projects in which I participate.