



CURRICULUM VITAE (CVA)

IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.

Part A. PERSONAL INFORMATION		CV date	15/1/2024
First name	David		
Family name	Camacho Fernández		
Gender (*)	Male	Birth date (dd/mm/yyyy)	5/7/1970
Social Security, Passport, ID number	08034463B		
e-mail	David.camacho@upm.es		URL Web
Open Researcher and Contributor ID (ORCID) (*)	0000-0002-5051-3475		

(*) Mandatory

A.1. Current position

Position	Full Professor (Catedrático de Universidad)		
Initial date	21/10/2020		
Institution	Universidad Politécnica de Madrid		
Department/Center	Sistemas Informáticos	E.T.S de Ing. de Sistemas Informáticos	
Country	Spain	Teleph. number	+34 91 06 73589
Key words	Artificial Intelligence, Machine Learning, Evolutionary Computation, Social Networks Analysis, Social Mining, Disinformation		

A.2. Previous positions

Period	Position/Institution/Country/Interruption cause
10/2020 -	Full Professor / Univ. Politécnica de Madrid / Spain
01/2005 - 10/2020	Associate Professor / Univ. Autónoma de Madrid / Spain
11/1999- 09/2005	Lecturer (02/2002- 9/2005), Assistant Prof. (09/1999 – 02/2002), Assistant (11/1997 – 09/1999) / Universidad Carlos III de Madrid / Spain
02/1995-09/1999	Assistant Prof / Univ. Complutense de Madrid / Spain

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD in Computer Science (Extraordinary doctorate award)	Universidad Carlos III de Madrid	2001
BSc in Physics	Universidad Complutense de Madrid	1994

Part B. CV SUMMARY

- N° of recognized research and industrial periods (sexenios): 5 (4 research + 1 industrial), last: 2015-2020
- N° of PhD thesis supervised: 13 (11 PhD thesis last 10 years)
- N° of international journals (peer-reviewed) published: 157
- N° of JCR papers: 141 (first quartile-Q1: 80)
- Number of citations: 8827 (GScholar)
- H-index (GScholar): 42; i-index: 176
- GScholar: <https://scholar.google.es/citations?hl=es&user=fpf6EDAAAAAJ>

Research activity (summary):

- I have published more than 150 articles in peer-reviewed international journals, more than 140 of those works are published by JCR indexed journals (> 75% published in



Q1-Q2 journals). I have presented papers in more than 200 conferences, more than 70 invited talks and seminars (national and international), 13 book chapters, as well as 3 teaching books (Ed. by Pearson).

- I have participated in more than 55 R&D projects financed by competitive public calls (national and international), being in 35 of them the Principal Investigator (PI) or Coordinator. I have participated in 20 international research projects, in 12 of them as PI or Coordinator of the consortium, as well as in 17 projects with companies (art. 83), in 15 of them as PI. Regarding the competitive research projects, the total amount managed has exceeded the 15M €, with a direct funding of 2.5M € to my group. Regarding to knowledge transfer (industrial projects), I have received an amount higher to 850K € of funding.
- **Editor in Chief or Expert Systems** (ed. By Wiley, JCR, Impact Factor: 2.812) (jan. 2023 - today): <https://onlinelibrary.wiley.com/journal/14680394>
- I have participated in 18 editorial boards of international journals as Associate Editor or member of the Editorial Board, 13 of them are JCR indexed, e.g.: Information Fusion, Human-centric Computing and Information Sciences, Cognitive Computation, IEEE Transactions on Emerging Topics in Computational Intelligence (TETCI), etc.
- I have edited a total of 22 special issues in indexed journals (JCR: 13-Q1, 5-Q2, 3-Q3, 1-Q4), and 27 conference proceedings (Springer, IEEE, ACM)
- I have co-organized more than 70 conferences, special sessions, workshops, etc. (**12 as General Chair**).

Part C. RELEVANT MERITS

C.1. Publications (150+ journals; 200+ conferences). Selected:

1. “*Generation and detection of manipulated multimodal audiovisual content: advances, trends and open challenges*”. Helena Liz-López, Mamadou Keita, Abdelmalik Taleb-Ahmed, Abdenour Hadid, Javier Huertas, **David Camacho**. **Information Fusion**. Volume 103, March 2024, 102103, pp. 1–44, 2024. DOI: <https://doi.org/10.1016/j.inffus.2023.102103>. JIF: 18.6 (2022) [Q1]
2. “*Spain on Fire: A novel wildfire risk assessment model based on image satellite processing and atmospheric information*”, Helena Liz-López, Javier Huertas-Tato, Jorge Pérez-Aracil, Carlos Casanova-Mateo, Julia Sanz-Justo and **David Camacho**. **Knowledge-Based Systems**. Volume 283, 11 January 2024, 111198 .DOI: <https://doi.org/10.1016/j.knosys.2023.111198>. JIF: 8.8 (2022) [Q1]
3. “*Countering malicious content moderation evasion in online social networks: Simulation and detection of word camouflage*”. Álvaro Huertas-García, Alejandro Martín, Javier Huertas-Tato, **David Camacho**. **Applied Soft Computing**. Volume 145, September 2023, 110552. <https://doi.org/10.1016/j.asoc.2023.110552>. JIF: 8.7 (2022) [Q1]
4. “*DeepVATS: Deep Visual Analytics for Time Series*”, Victor Rodriguez-Fernandez, David Montalvo-Garcia, Francesco Piccialli, Grzegorz J. Nalepa and **David Camacho**. **Knowledge-Based Systems**. Vol. 277 (9), October 2023, 110793. <https://doi.org/10.1016/j.knosys.2023.110793>. JIF: 8.8 (2022) [Q1]
5. “*A Mixed Approach for Aggressive Political Discourse Analysis on Twitter*”. Javier Torregrosa, Sergio D’Antonio-Maceiras, Guillermo Villar-Rodríguez, Amir Hussain, Erik Cambria, **David Camacho**. **Cognitive Computation**. Vol. 15, pp. 440–465, 2023. <https://doi.org/10.1007/s12559-022-10048-w>. JIF: 5.4 (2022) [Q1]
6. “*Exploring Dimensionality Reduction Techniques in Multilingual Transformers*”. Álvaro Huertas-García, Alejandro Martín, Javier Huertas-Tato, **David Camacho**. **Cognitive Computation**. Vol. 15, pp. 590–612, 2023. <https://doi.org/10.1007/s12559-022-10066-8> JIF: 5.4 (2022) [Q1]
7. “*Fusion of CNNs and statistical indicators to improve image classification*”. Javier Huertas, Alejandro Martín, Julián Fierrez, **David Camacho**. **Information Fusion**. Vol. 79, pp. 174–187, 2022. DOI: <https://doi.org/10.1016/j.inffus.2021.09.012>. JIF: 18.6 (2022) [Q1]
8. “*Internet of health things driven deep learning-based system for non-invasive patient discomfort detection using time frame rules and pairwise keypoints distance feature*”.



Imran Ahmed, David Camacho, Gwanggil Jeon and Francesco Piccialli. **Sustainable Cities and Society**. Vol. 79, 2022, 103672. <https://10.1016/j.scs.2022.103672>. JIF: 11.7 (2022) [Q1]

9. “*FacTeR-Check: Semi-automated fact-checking through Semantic Similarity and Natural Language Inference*”, Alejandro Martín, Javier Huertas-Tato, Álvaro Huertas-García, G. Villar-Rodríguez, and **David Camacho**. **Knowledge-Based Systems**. Vol. 251, 2022, 109265, pp. 1-19. <https://doi.org/10.1016/j.knosys.2022.109265>. JIF: 8.8 (2022) [Q1]
10. “Artificial Intelligence and Healthcare: Forecasting of medical bookings through multi-source time-series fusion”. Francesco Piccialli, Fabio Giampaolo, Edoardo Prezioso, **David Camacho**, Giovanni Acampora. **Information Fusion**. Vol. 74, 2021, Pages 1-16. <https://doi.org/10.1016/j.inffus.2021.03.004>. JIF: 17.564 (2021) [Q1]

C.2. Congress (200+ conferences, 70+ invited keynotes, 150+ oral present.). **Selected:**

1. **Invited Keynote:** “*Unmasking the Shadows: A Dive into Cutting-Edge Strategies against Disinformation in Online Social Networks*”, at “The 2024 World Congress on Information Technology Applications and Services (World IT Congress 2024)”. February 14-16, 2024, Jeju Island, **Korea**. <http://www.worlditcongress.org/2024>
2. **Invited Keynote:** “*Tackling Disinformation and Fake News with AI Technology: Strategies for Combatting Information Disorders*”, at “The 12th International Conference on Smart Media and Applications (SMA 2023)”, December 11-16, 2023, Taichung City, **Taiwan** R.O.C. <https://sma.kism.or.kr/>
3. **Invited Keynote:** “*Disinformation: Unveiling the Threat and AI Countermeasures*” at the 2023 IEEE International Conference on Network, Multimedia and Information Technology (IEEE NMITCON-2023), 1-2 September 2023, Nitte Meenakshi Institute of Technology, Bengaluru, **India**. <https://www.nmit.ac.in/nmitcon.php>
4. **Invited Keynote:** “Countering disinformation in Online Social Networks through multimodal machine learning techniques” at The 14th International Conference of Management of Digital Ecosystems, October 19-21, 2022, Venice, **Italy**. <https://medes.sigappfr.org/22/keynotes/david-camacho/>
5. **Invited Keynote:** “*Ponencia 3. El poder y los límites de la tecnología*”. I Jornada contra la Desinformación. Organizan: Club Abierto de Editores (CLABE), Google. Casa de América. Madrid, 17 de octubre de 2023. <https://clabe.org/2023/07/10/i-jornada-contra-la-desinformacion-organizada-por-clabe-el-17-de-octubre/>

C.3. Research projects (55+ competitive; 2,5+ million €; 11+ ongoing). **Selected:**

1. TITLE: IBERIFIER Iberian Digital Media Observatory (IBERIFIER Plus). Coordinator: Ramón Salaverría (Univ. de Navarra), **David Camacho (PI-UPM)**. Funded by: European Union. DIGITAL-2023-DEPLOY-04-EDMO-HUBS (prop. Number: 101158511). 2024-2027 (30 months). Funding: 1,290,854.17 € (UPM: 28,615.55 €)
2. 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). 6 partners, 5 countries. 2022-2025. Funding: 866.991,04 € (UPM: 195 458,58€)
3. TITLE: Stardust Reloaded (Stardust-R). Coordinator: Massimiliano Vasile (University of Strathclyde), **David Camacho (PI-UPM)**. Funded by: European Union. (813644-H2020-MSCA-ITN-2018), Type of action: MSCA-ITN-ETN (Marie Skłodowska-Curie Innovative Training Networks). 2019-2023. Funding: 3.867.284,52 € (UPM: 250.904,88 €)
4. 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. Funding: 1,476,315.00 € (UPM: 52,500 €)
5. TITLE: XAI-DisInfodemics: eXplainable AI for disinformation and conspiracy detection during infodemics (XAI-DISINFORMATION). Coordinator: Paolo Rosso (UPV), **David Camacho (PI-UPM)**. Funded by: Ministerio de Ciencia e Innovación ((PLEC2021-007681). 2021-2024. Financiación: 419.876,50 € (UPM: 70.611,00 €)
 6. 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)
 7. TITLE: Interactive Narrative Design for Complexity Representations (INDCOR). Coordinator: Hartmut Koenitz, **David Camacho (MC Member)**. Funded by: European Union (COST Action, OC-2018-2 CA18230). 2019-2023. Funding: 253.368,00 €
 8. TITLE: Process-aware Analytics Support based on Conceptual Models for Event Logs (PACMEL). Coordinator: Grzegorz J. Nalepa (AGH), **David Camacho (PI-UPM)**. Funded by: AEI-PCI. ((PCI2019-103623). 3 partners, 3 countries. 2019-2021. Funding: 428,405.00 € (74.000,00 € - UPM)
 9. TITLE: Strengthening European Youngsters Resilience through Serious Games (YoungRes). **Coordinator: David Camacho**. 4 partners, 3 countries. Funded by: European Union (823701-ISFP-2017-AG-RAD). Call: ISFP-2017-AG-RAD–Radicalisation. Type of action: ISFP-AG (ISF-Police Action Grant). 2019-2021. Funding: 475.000 € (UPM: 169.060 €)
 10. TITLE: Tracking tool based on social media for risk assessment on radicalisation (RiskTrack). **Coordinator: David Camacho**. 4 partners, 3 countries. Funded by: European Union (JUST-2015-JCOO-AG-723180). JUST-AG (Justice Action Grant). Topic: JUST-2015-JCOO-AG-TERR. 2016-2019. Funding: 462.722,78 € (UAM: 162.192,32 €)

C.4. Contracts, technological or transfer merits (> 17; > 850K euros; 3 ongoing).

Selected:

1. TITLE: *Detecting and matching suspicious claims with AI (MuseAI)*. Coordinator (ATC-Greece) Danae Tsabouraki, Alejandro Martín (UPM-Spain). Funding by: European Media and Information Fund (EMIF). Funding: 399.499,18 € (UPM: 119.037,78 €)
2. TITLE: *Semantic Transformer for Text Inference (STTI)*. **PI: David Camacho**. Funding Company: AYGLOO S.L.2022-2023. Funding: 23.000,00 € (UPM)
3. TITLE: *Análisis de datos y patrones para operaciones de tierra en aeropuertos*. **PI: David Camacho Fernández (UPM)**. Funding by: ENAIRE-COPAC (Colegio Oficial de Pilotos de la Aviación Comercial). 2022-2023. Funding: 36.597,60 € (UPM)
4. TITLE: *CIVIC: Caracterización inteligente de la veracidad de información asociada a la COVID-19*. **PI: Alejandro Martín (UPM)**. Funding by: Fundación BBVA. 2020-2023. Funding: 98.0325 € (UPM) TITLE: *DisTrack: Tracking disinformation in Online Social Networks through Deep Natural Language Processing*. **PI: Alejandro Martín (UPM)**. Funding by: Digital Future Society - Mobile World Capital. 2021-2022. Funding: 39.900 € (UPM)
5. TITLE: *SAVIER – Situational Awareness Virtual EnviRonment. Communication and Interaction with UAS Open Innovation Project*. Coordinator: José Insenser (Airbus), **David Camacho Fernández (PI-UAM)**. Funded by: EADS-CASSIDIAN (Airbus Defense & Space). 2013-2017. Funding: 2.400.000 € (UAM: 400.000 €)