

CURRICULUM VITAE ABREVIADO (CVA) – SHORT CV - 4 pp.

CV date 01/09/2025

Part A. PERSONAL INFORMATION

First name	Paolo		
Family name	Rosso		
Gender	Male	Birth date	07/07/1964
NIE	X2053358X		
e-mail	proso@dsic.upv.es	URL Web https://personales.upv.es/proso/	
Open Researcher & Contributor ID (ORCID)		0000-0002-8922-1242	

A.1. Current position

Position	Full Professor		
Initial date	28/12/2018		
Institution	Universitat Politècnica de València (UPV)		
Dept./Center	Dept. of Computer Systems and Computation	PRHLT Research Center	
Country	Spain	Telephone number	+34 963877007 ext. 73571
Key words	AI, natural language processing, information retrieval; detection of disinformation, sexism, and mental health disorders in social media texts, memes, and videos		

A.2. Previous positions (research activity interruptions, indicate total months)

Period	Position/Institution
2008-2018	Profesor Titular de Universidad / UPV
1999-2008	Profesor Titular Escuela Universitaria /UPV
1995-1999	Profesor Asociado /UPV

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD in Computer Science	Trinity College Dublin / Ireland	1999
Degree in Computer Science	University of Pisa/ Italy	1992

Part B. CV SUMMARY (max. 5000 characters, including spaces)

Paolo Rosso is Full Professor at the Universitat Politècnica de València, where he is also a member of the Pattern Recognition and Human Language Technology (PRHLT) research center. His research interests are focused on Artificial Intelligence and concretely on Natural Language Processing and Multimodality: Detection of Disinformation, Hate Speech and Sexism in social media texts, memes and videos. He collaborated with the **Spanish Observatory on Racism and Xenophobia** (OBERAXE) of the Secretary of State for Migration on monitoring hate speech in social media (see C.4. Contracts) and on the topic of disinformation with the Oficina-C, the **Office of Science and Technology of the Spanish Congress of Deputies** (oficinac.es/informes-c/desinformacion-era-digital), and with the **National Department of Security** on **disinformation campaigns and foreign information manipulation & interference**, being one of the coordinators of the chapter dedicated to AI techniques to fight disinformation (<https://www.dsn.gob.es/es/documento/foro-contra-campa%C3%B1as-desinformaci%C3%B3n-%C3%A1mbito-seguridad-nacional-trabajos-2023>). He is a member of the **Iberian Digital Media Observatory** (IBERIFIER Plus), one of the EC hubs of the **European Digital Media Observatory**, whose aim is to monitor the threats of disinformation in Spanish and Portuguese. He is also a member of the MARTINI project on profiling malicious actors. Currently he is the PI of the coordinated research project FairTransNLP whose aim is to develop fair and transparent equitable NLP applications in social media. He has been the PI of several national and international research projects funded by **EC, US Army Research Office, Qatar National Research Fund, and Vodafone Spain** addressing for instance topics such as the detection of fake news, conspiracy theories and hate speech (see C.3. Research projects).

He has published **60+ articles in journals (30+ Q1)** and 400+ articles in conferences and workshops;

he has an **H-index of 81** (source: Google Scholar) and he is in the **ranking of the top scientists in Spain** (<http://www.guide2research.com/scientists/ES>). He received by the Universitat Politècnica de València the **awards for his publications on the detection of misogynous content (2022)** and of **fake news (2024)** on Twitter (see C.2. Congress).

He has been the **advisor of 28 PhD theses**; three received the award as best PhD thesis: (i) S. Frenda (2022) **Sarcasm and Implicitness in Abusive Language Detection: A Multilingual Perspective** (SEPLN-2023 award); (ii) M. Franco-Salvador (2017). **A Cross-domain and Cross-language Knowledge-based Representation of Text and its Meaning** (SERI-2018 award); (iii) F. Rangel (2016) **Author Profiling en Social Media: Identificación de Edad, Sexo y Variedad del Lenguaje** (SEPLN-2017 award). Currently he is the advisor of **6 PhD theses**: (i) R. Ortega. **New Avenues in Computationally Irony Detection in Social Media** (expected 25); (ii) A.M. Bucur. **Computational Approaches to Mental Health Disorders Detection from Social Media Texts, Images and Videos** (exp. 25); (iii) I. Baris. **Computational Methods for Detecting Health Misinformation** (exp. end 25); (iv) A. De Paula Magnossão. **Perspectivism, Explainability, and Unbiased Methods: A New Approach for Detecting Hate Speech and Sexism** (exp. end 25); (v) A. Basile. **Modelling Pretrained Language Models as Noisy Annotators** (exp. end 25); (vi) V. Yeste. **Human Values Detection** (exp. 26).

He gave several **keynotes** (TSD-2020, CICLing-2019 etc.), recently on **disinformation and hate speech**. He helped **organising 50+ challenges at SemEval, CLEF, IberEval/IberLEF, Evalita and FIRE evaluation forums** addressing problems such as: **disinformation** (<https://pan.webis.de/clef20/pan20-web/author-profiling.html>), **hate speech**, mainly against immigrants or women (<https://competitions.codalab.org/competitions/19935>), **sexism** (<https://nlp.uned.es/exist2025/>), and **misogyny** (<https://competitions.codalab.org/competitions/34175>).

He **organised several conferences such as CERI-2012, CLEF2013, EACL-2017, and NLDB-2022** in Valencia. He has been the chair of *SEM-2015 and served as **senior chair or track chair** in conferences such as SIGIR, ACL etc. Since 2014 he is **Deputy Steering Committee Chair of the CLEF Association**. He has been Associate Editor at the Information Processing & Management journal. **He gave several tutorials** on plagiarism detection at ICON-2010, author profiling at RuSSIR-2014, RANLP-2015, FIRE-2016 and CLiC-it-2018, and harmful information (fake news and hate speech) at CIKM-2020. During the last 10 years the obtained results in credibility detection (fake news), author profiling, irony detection, and plagiarism detection were covered by **Spanish** (El País, ABC, La Vanguardia, El Mundo, El Levante, El Confidencial, Radio Nacional de España, La Cope, La Voz de Galicia) **and international media** (Reforma, Informador, CNN-Español).

Part C. RELEVANT MERITS

C.1. Publications (*see instructions: max. 10*)

Bucur A.M., Chulvi B., Cosma A., Rosso P. (2024) **The Expression of Happiness in Social Media of Individuals Reporting Depression**. IEEE Transactions on Affective Computing. DOI: 10.1109/TAFFC.2024.3434482 **Q1**

Ruffo G., Semeraro A., Giachanou A., Rosso P. (2023) **Studying Fake News Spreading, Polarisation Dynamics, and Manipulation by Bots: A Tale of Networks and Language**. Computer Science Review, vol. 47, 100531. DOI: 10.1016/j.cosrev.2022.100531 **Q1**

Rizzi G., Gasparini F., Saibene A., Rosso P., Fersini E. (2023) **Recognizing Misogynous Memes: Biased Models and Tricky Archetypes**. Information Processing & Management, vol. 60 (5), 103474. DOI: 10.1016/j.ipm.2023.103474 **Q1**

De la Peña G., Rosso P. (2023) **Systematic Keyword and Bias Analyses in Hate Speech Detection**. Information Processing & Management, vol. 60 (5), 103433. DOI: 10.1016/j.ipm.2023.103433 **Q1**

Frenda S., Cignarella A., Basile V., Bosco C., Patti V., Rosso P. (2022) **The Unbearable Hurtfulness of Sarcasm**. Expert Systems with Applications, 193, 116398. DOI: 10.1016/j.eswa.2021.116398 **Q1**

Ortega-Bueno R., Rosso P., Pagola J.M. (2022) **Multi-view Informed Attention-based Model for**

Irony and Satire Detection in Spanish Variants. Knowledge-Based Systems, vol. 235, 107597. DOI: 10.1016/j.knosys.2021.107597 **Q1**

Uban A.S., Chulvi B., Rosso P. (2021) **An Emotion and Cognitive based Analysis of Mental Health Disorders from Social Media Data.** Future Generation Computer Systems, vol. 124, pp. 480-494. DOI: 10.1016/j.future.2021.05.032 **Q1**

Distante D., Faralli S., Rittinghaus S., Rosso P., Samsami N. (2021) **DomainSenticNet: An Ontology and a Methodology Enabling Domain-aware Sentic Computing.** Cognitive Computation, vol. 14, pp. 62-77. DOI: 10.1007/s12559-021-09825-w **Q1**

Ghanem B., Rosso P., Rangel F. (2020) **An Emotional Analysis of False Information in Social Media and News Articles.** In: ACM Transactions on Internet Technology (TOIT), vol. 20, issue 2, pp. 1-18. DOI: 10.1145/3381750 **Q1**

Zhang S., Zhang X., Chan J., Rosso P. (2019) **Irony Detection via Sentiment-based Transfer Learning.** Information Processing & Management, vol. 56(5): 1633-1644. DOI: 10.1016/j.ipm.2019.04.006 **Q1**

C.2. Congress (*max. 10*) indicating the modality of their participation (invited conference, oral presentation, poster)

Baris-Schlicht I., Zhao Z., Sayin B., Flek L., Rosso P. (2025). **Do LLMs Provide Consistent Answers to Health-Related Questions across Languages?** Proc. 47th European Conf. on Information Retrieval (ECIR), Springer (accepted; poster) **CORE A**

Baris-Schlicht I., Flek L., Rosso P. (2023) **Multilingual Detection of Check-Worthy Claims using World Languages and Adapter Fusion.** Proc. ECIR, Springer, LNCS(13980), pp. 118-133. DOI: 10.1007/978-3-031-28244-7_8 (oral presentation) **CORE A**

Bucur A., Cosma A., Rosso P., Dinu L. (2023) **It's Just a Matter of Time: Detecting Depression with Time-Enriched Multimodal Transformers.** Proc. ECIR, Springer, LNCS(13980), pp. 200-215. DOI: 10.1007/978-3-031-28244-7_13 (oral presentation) **CORE A**

Sawhney R., Agarwal S., Mittal V., Rosso P., Nanda V., Chava S. (2022). **Cryptocurrency Bubble Detection: A New Stock Market Dataset, Financial Task & Hyperbolic Models.** Proc. Conf. of the North American Chapter of the Association for Computational Linguistics Human Language Technologies (NAACL), pp. 5531-5545. DOI: 10.18653/v1/2022.naacl-main.405 (oral pres.) **CORE A**

Ghanem B., Ponzetto S., Rosso P., Rangel F. (2021) **FakeFlow: Fake News Detection by Modeling the Flow of Affective Information.** Proc. of the 16th Conf. of the European Chapter of the Association for Computational Linguistics (EACL), pp. 679-689. DOI: 10.18653/v1/2021.eacl-main.56 (oral presentation) **CORE A**

Rangel F., Giachanou A., Ghanem B., Rosso P. (2020) **Overview of the 8th Author Profiling Task at PAN 2020: Profiling Fake News Spreaders on Twitter.** CLEF 2020 Labs and Workshops, CEUR Workshop Proc. CEUR-WS.org/Vol-2696/paper_267.pdf (oral presentation) - **UPV Research Award for Excellent Research Publication** (Category: Engineering Computer Science and Information Systems + Electrical and Electronic) <https://www.upv.es/entidades/VINV/info/U0970939.pdf>

Giachanou A., Rosso P., Crestani F. (2019) **Leveraging Emotional Signals for Credibility Detection.** Proc. of the 42nd Int. ACM SIGIR Conference on Research and Development in Information Retrieval, pp. 877-880. DOI: 10.1145/3331184.33312 (oral presentation) **CORE A***

Basile V., Bosco C., Fersini E., Nozza D., Patti V., Rangel F., Rosso P., Sanguinetti M. (2019) **SemEval-2019 Task 5: Multilingual Detection of Hate Speech Against Immigrants and Women in Twitter.** Proc. of the 13th Int. Workshop on Semantic Evaluation (SemEval), co-located with NAACL-HLT, pp. 54-63. DOI: 10.18653/v1/S19-2007 (oral presentation) – **Organisation of challenge (Spanish and English): 74 teams. Citations: 1100+**

Rosso P. (2019) **Misinformation & Miscommunication: Fake News & Hate Speech.** 20th Int. Conf. on Computational Linguistics and Intelligent Text Processing (CICLing), April 11. <http://www.cicling.org/2019/#Speakers> (invited conference) **CORE B**

Anzovino M., Fersini E., Rosso P. (2018) **Automatic Identification and Classification of Misogynistic Language on Twitter.** Proc. 23rd Int. Conf. on Applications of Natural Language to Information Systems, NLDB-2018, Springer, LNCS(10859), pp. 57-64. DOI: doi.org/10.1007/978-3-319-91947-8_6 (oral presentation) **CORE C - UPV Award for Excellent Research Publication**

(Category: Engineering and Technology) <https://www.upv.es/noticias-upv/noticia-13840-i-premios-inve-es.html> <https://www.upv.es/entidades/VINV/info/U0922148.pdf>

C.3. Research projects (max. 10) indicating your personal contribution.

Iberian Digital Media Observatory (IBERIFIER Plus) Hub. Duration: 05/24-10/26. **PI (UPV): P. Rosso.** Co-funded by the EC under the Call DIGITAL-2023-DEPLOY-04, European Digital Media observatory (EDMO) – National and multinational hubs, under reference 101158511 - 1.270.854,17 € (UPV: 28.355 €)

Malicious Actors Profiling and Detection in Online Social Networks Through Artificial Intelligence (MARTINI). Duration: 12/22-11/25. **PI (UPV): P. Rosso.** Funded MCIN/AEI/10.13039/501100011033 & NextGeneration EU/PRTR, under reference PCI2022-135008-2 160,392 €

Fairness and Transparency for Equitable NLP Applications in Social Media – Identifying Stereotypes and Prejudices and Developing Equitable Systems (FairTransNLP-Stereotypes). Duration: 09/22-08/25. **PI: P. Rosso.** Funded by por MCIN/AEI/10.13039/501100011033 & FEDER, EU A way of making Europe, under reference PID2021-124361OB-C31 – 117,370 €

eXplainable AI for Disinformation and Conspiracy Detection during Infodemics (XAI-DisInfodemics). Duration: 12/21-11/24. **PI: P. Rosso.** Funded by MCIN/AEI/10.13039/501100011033 & NextGeneration EU/PRTR, under reference PLEC2021-007681 – 75,853 €

FAKE News and HATE Speech (FAKEHATE-PdC). Duration: 12/22-11/24. **PI: P. Rosso.** Funded by MCIN/AEI/10.13039/501100011033 & NextGeneration EU/PRTR, under reference PDC2022-133118-I00 – 97,175 €

TRUSTSEARCH. Duration: 04/23-03/24. **PI: P. Rosso.** Funded by NGI Search (**Horizon Europe Project**) -74,437,5 €

Iberian Digital Media Research and Fact-Checking (IBERIFIER) Hub. Duration: 09/21-02/24. **PI (UPV): P. Rosso.** Funded **European Digital Media Observatory** CEF-TC-2020-2, under reference 2020-EU-IA-0252 - 1,476,315 € (UPV: 42,000 €)

Resources and Applications for Detecting and Classifying Polarized Hate Speech in Arabic Social Media. Duration: 10/21-04/24 **PI (UPV): P. Rosso.** Funded **Qatar National Research Fund**, under reference NPRP13S-0206-200281 - 124,000 \$

Arabic Author Profiling for Cyber Security. Duration: 02/16-06/20. **PI (UPV): P. Rosso.** Funded **Qatar National Research Fund (Carnegie Mellon University)** under reference NPRP 9-175-1-033– 115,193 \$

Social Copying Community Detection. Duration: 06/2014-06/2017. **PI: P. Rosso.** Funded **US Army Research Office**, under reference W911NF-14-1-0254 - 230,528 \$

C.4. Contracts, technological or transfer merits (max. 10)

Technical and Logistical Support Service in the **Monitoring of Hate Speech on the Internet in Spain** (Public Procurement File 2021/30000225). Duration: 11/21-05/22. Funded **Ministry of Inclusion, Social Security and Migrations (OBERAXE: Spanish Observatory on Racism and Xenophobia)** - 18,047.90 €

Development of Tool for the **Extraction of Written Texts in Images, Audio Transcriptions to Text and Identification of Faces and Multimedia Objects related with Fake News.** Duration: 06/20-06/22. Funded **Autoritas Consulting S.A.** - 35,160 €

Development of Tool for the **Extraction of Semantic Information in Images related with Hate Speech and Polarization.** Duration: 02/22-08/23. Funded **Symanto Spain S.L.U.** - 20,000 €

Social Profile of Vodafone's Users. Duration: 03/19-12/20. **PI: P. Rosso.** Funded **Vodafone Campus Lab** - 41,120 €

Software on Disinformation Detection was registered at the **UPV Office for the Promotion of Research, Innovation and Technology Transfer** https://aplicat.upv.es/exploraupv/ficha-tecnologia/patente_software/36895