

CURRICULUM VITAE ABREVIADO (CVA)

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

Part A. PERSONAL INFORMATION

First name	Antonio		
Family name	Robles Gómez		
Gender (*)	Male	Birth date (dd/mm/yyyy)	
Social Security, Passport, ID number			
e-mail		URL Web	
Open Researcher and Contributor ID (ORCID) (*)		https://orcid.org/0000-0002-5181-0199	

(*) *Mandatory*

A.1. Current position

Position	Associate Professor		
Initial date	27/03/2018		
Institution	Universidad Nacional de Educación a Distancia (UNED)		
Department/Center	Sistemas de Comunicación y Control	Escuela Técnica Superior de Ingeniería Informática (ETSI Informática)	
Country	Spain	Tel. number	91 398 8480
Key words	Cybersecurity, Internet of Things (IoT), Cloud Computing, Learning Analytics, Big Data, Quality of Service (QoS)		

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

Period	Position/Institution/Country/Interruption cause
2005	Part-time Lecturer / UCLM / Spain
2005-2009	Predoctoral Researcher / UCLM / Spain

A.3. Education

PhD, Licensed, Graduate	University	Year
PhD in Computer Science Engineer	Universidad de Castilla-La Mancha (UCLM)	2008
Master's in Advanced Information Technology	UCLM	2008
Advanced Studies Diploma: Advanced Information Technology	UCLM	2006

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

Antonio Robles Gómez is currently an Associate Professor in the Control and Communication Systems Department at UNED; and, from May of 2021, he is also the Vice Director of Technology, Infrastructures and Economics of the Computer Science Engineering School. In addition to this, he has been the Coordinator of the Official Master's in Computer Science Engineering, from June 2017 to November 2022. This professor has a broad experience, more than 17 years, in the field of education and research. Therefore, he has recognized two five-year teaching periods by the UNED and two six-year research periods by the Spanish government. He has participated in a big number of R&D projects financed in public calls (11 international projects, 5 Spanish projects, 5 regional projects, 3 networks of excellence), some of them with special relevance for companies and administrations with an international scope. Some relevant international projects are LLSF (2021-2024), ECoVEM (2020-2024), I4EU (2019-2022), SFinLit (2019-2022), I4EU (2019-2022), etc.

This researcher is currently a Principal Researcher of a National research project from the Ministry of Science and Innovation, In4Labs (2022-2024), for the development of remote laboratories (electronics, cybersecurity, IoT...) within the Industry 4.0. Furthermore, he has coordinated a project founded by UNED, SUMA-CITeL (2022-2023), paying attention in the sustainable management of remote and virtual laboratories. This project was scored with more than 70 points in the National Call of the State Program for the Generation of Knowledge and

Scientific and Technological Strengthening of the System of R+D+I oriented to the 2017-2020 Challenges of Society, but not been sufficient to obtain research funding. He is currently coordinating another project founded by UNED, LearnIoTOnCloud (2023-2024), also scored with more than 70 points in the National Call of the 2021-2023 State Program for the Generation of Knowledge. He was also granted with an "International Thinking" research project at UNED for experienced young researchers during the 2019-2021 period. Additionally, he is one of the coordinators of the UNED-INCIBE Cybercamp initiative during the 2023-2025 period for the promotion of the development of knowledge and capabilities of individuals and organizations within cybersecurity. He is also co-coordinating the strategic research project awarded by INCIBE through the public call open in early 2023 for the 2024-2025 period.

On the other hand, he has also participated in many papers published in international journals (28 JCRs, 6 SJRs, etc.) and conferences (5 GGS 2-class, 19 GGS 3-class, 13 GGS work-in-progress, etc.). A total of 13 relevant papers have been collaborations with prestigious researchers belonging to foreign research centers. He has also supervised 15 final degree and 44 final master projects. He has also participated as a member/reviewer in several international scientific societies, as well as JCR journals and conferences. On the other hand, the professor was the Secretary of the Master's in Communication, Networks and Content Management from April 2010 to December 2013, and the Official Master's coordinated since May 2016 until May 2017. He obtained the accreditation of the ANECA for an Associate Professor in October 2012. This professor has also been a member of the consolidated G-eLios research (now, named I4Labs) and G-TAEI teaching innovation groups, both since September 2016; and of the teaching innovation group for cybersecurity, CiberGID, since June 2018. In addition to this, he has supervised a research support technician, which is founded by the Community of Madrid and, currently, he is supervising another technician. He also is supervising three PhD students within the Industrial Technologies Program at the UNED's Doctorate International School, as well as a PhD student in the Biomedical Sciences and Public Health Program (UNED-IMIENS and ISCIII). He has been a Senior Member of IEEE since September 2015, even, he was a Member of the IEEE Spain Section Board from July 2017 to December 2019 for organizing companies, technical chapter and students' awards. He has been an elected member of the Executive Committee for the 2020-2021 and 2022-2023 periods as a Secretary within the IEEE Spain Section Board. This Board is actively working on research, companies' collaborations, and transference activities among university/companies. He also been a co-founder member in July 2020 for the IEEE-Eta Kappa Nu UNED chapter, called Nu Alpha Chapter. It involves good-qualified students, industry professionals, and faculty to give them support.

Part C. RELEVANT MERITS

C.1. Publications

Delgado, I., San Cristobal, E., Martín, S., **Robles-Gómez, A.** (2023), Exploring IoT Vulnerabilities in a Comprehensive Remote Cybersecurity Laboratory. *Sensors*, 23(22), 2710. <https://doi.org/10.3390/s23229279>. Impact factor (JCR 2022): 3.9, 100/175 (Engineering, Electrical & Electronic) (Q2).

Donaire-Calleja, P., **Robles-Gómez, A.**, Tobarra, LI., Pastor-Vargas, R. (2023), Forensic Analysis Laboratory for Sport Devices: A Practical Use Case. *Electronics*, 12(12), 2710. <https://doi.org/10.3390/electronics12122710>. Impact factor (JCR 2022): 2.9, 131/275 (Engineering, Electrical & Electronic) (Q2).

Santamaría, P., Tobarra, LI., Pastor-Vargas, R., **Robles-Gómez, A.** (2023), Smart Contracts for Managing the Chain-of-Custody of Digital Evidence: A Practical Case of Study. *Smart Cities*, 6(2). <https://doi.org/10.3390/smartcities6020034>. Impact factor (JCR 2022-JCI): 1.45, 45/349 (Engineering, Electrical & Electronic) (Q1). First factor (JCR 2022-JIF: 6.4).

Robles-Gómez, A., Tobarra, LI., Pastor-Vargas R., Hernández, R., Haut, J.M. (2021), Analyzing the Users' Acceptance of an IoT Cloud Platform using the UTAUT/TAM Model. *IEEE Access*, 9, 150004-150020. <https://doi.org/10.1109/ACCESS.2021.3125497>. Impact factor (JCR 2021): 3.476, 79/164 (Computer Science, Information Systems) (Q2).

Tobarra, LI., Utrilla, A., **Robles-Gómez, A.**, Pastor-Vargas R., Hernández, R. (2021), A Cloud Game-Based Educative Platform Architecture: The CyberScratch Project. *Applied Sciences*, 11(2), 807. <https://doi.org/10.3390/app11020807>. Impact factor (JCR 2021): 2.838, 39/92 (Engineering, Multidisciplinary) (Q2).

Pastor-Vargas, R., Tobarra, L.I., **Robles-Gómez, A.**, Martín, S., Hernández, R., Cano, J. (2020), A WoT Platform for Supporting Full-Cycle IoT Solutions from Edge to Cloud Infrastructures: A Practical Case. *Sensors*, 20(13), 3770. <https://doi.org/10.3390/s20133770>. Impact factor (JCR 2020): 3.576, 14/64 (Instruments & Instrumentation) (Q1).

Ros, S., González, S., **Robles, A.**, Tobarra, L.I., Caminero, A.C., Cano, J. (2020), Analyzing students' self-perception of success and learning effectiveness using gamification in an online Cybersecurity course. *IEEE Access*, 8, 97718-97728. <https://doi.org/10.1109/ACCESS.2020.2996361>. Impact factor (JCR 2020): 3.367, 65/162 (Computer Science, Information Systems) (Q2).

Robles-Gómez, A., Tobarra, L.I., Pastor-Vargas, R., Hernández, R., Cano, J. (2020), Emulating and Evaluating Virtual Remote Laboratories for Cybersecurity. *Sensors*, 20(11), 3011. <https://doi.org/10.3390/s20113011>. Impact factor (JCR 2020): 3.576, 14/64 (Instruments & Instrumentation) (Q1).

Pastor, R., Tobarra, L.I., **Robles-Gómez, A.**, Cano, J., Hammad, B., Al-Zoubi, A., Hernández, R., Castro, M. (2020), Renewable energy remote online laboratories in Jordan universities: Tools for training students in Jordan. *Renewable Energy (RENE)*, 149, 749-759. Elsevier. <https://doi.org/10.1016/j.renene.2019.12.100>. Impact factor (JCR 2020): 8.001, 7/44 (Green & Sustainable Science & Technology) (Q1).

Tobarra, L.I., **Robles-Gómez, A.**, Pastor, R., Hernández, R., Duque, A., Cano J. (2020), Students' Acceptance and Tracking of a New Container-based Virtual Laboratory. *Applied Sciences*, 10(2), 1091. <https://doi.org/10.3390/app10031091>. Impact factor (JCR 2020): 2.679, 38/91 (Engineering, Multidisciplinary) (Q2).

C.2. Congress

Falcón-López, S.A., **Robles-Gómez, A.**, Tobarra, L.I., Pastor-Vargas, R. (2023), Dataset Generation and Study of Deepfake Techniques. 15th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAml 2023). *Lecture Notes in Networks and Systems (LNNS, vol. 842)*, Springer. https://doi.org/10.1007/978-3-031-48642-5_19.

Antón-Munárriz, C., Pastor-Vargas, R., Haut, J.M., **Robles-Gómez, A.**, Paoletti, M.E., Benítez-Andrades, J.A. (2023), Detection of Cerebral Ischaemia using Transfer Learning Techniques. 36th International Symposium on Computer-Based Medical Systems (CBMS). *IEEE*. <https://doi.org/10.1109/CBMS58004.2023.00284> (GGS 3B).

Santamaría, P., Tobarra, L.I., Pastor-Vargas, R., **Robles-Gómez, A.** (2023), Designing the Chain of Custody Process for Blockchain-based Digital Evidences. *Blockchain and Applications*, 4th International Congress. *Lecture Notes in Networks and Systems (LNNS, vol. 595)*, Springer. https://doi.org/10.1007/978-3-031-21229-1_21.

García, D., Tobarra, L.I., **Robles-Gómez, A.**, Pastor-Vargas, P. (2022), Forensic Technologies to Automate the Acquisition of Digital Evidences. The 2022 International Conference on Computational Science and Computational Intelligence (CSCI'22). <https://www.doi.org/10.1109/CSCI58124.2022.00364> (Acceptance rate: 19%).

Vasallo González, R., **Robles-Gómez, A.**, Pastor-Vargas, R., Haut, J.M., Passadore, N.A., Paoletti, M.E., Sánchez Bocanegra, C.L., Tobarra, L.I., Chacón-Vargas, K.A., Hernández, R., Saigí Rubió, F. (2021), A Recommendation System for Electronic Health Records in the Context of the HOPE Project. 2021 IEEE 34th International Symposium on Computer-Based Medical Systems (CBMS). <https://doi.org/10.1109/CBMS52027.2021.00108> (GGS 3B).

Haut, J.M., Paoletti, M.E., Pastor-Vargas, R., Tobarra, L.I., **Robles-Gómez, A.**, Hernández, R., Hendrix, E.M.T., Li, J. (2021), Adapting kernels for hyperspectral image classification. 2021 IEEE International Geoscience and Remote Sensing Symposium (IGARSS). <https://doi.org/10.1109/IGARSS47720.2021.9553134> (CORE: C; GGS 3B-).

C.3. Research projects

Análisis de aplicaciones móviles desde la perspectiva de la protección de datos: Ciberprotección y Ciber-riesgos de la información de la ciudadanía. Type: Ministry of Digital Transformation ([INCIBE, Next Generation Funding](#)). Participants: UNED, ESIC, CA Ponferrada. From: 01/01/2024 to: 31/12/2025. Principal researcher: Rafael Pastor Vargas / **Antonio Robles Gómez**. Amount: 804.500,00 €.

Cloud IoT platform for the sustainable development of educational laboratories through exponential technologies (LearnIoTOnCloud). UNED 2023 Research Promotion Plan ([BICI n. 21 / Annex of March 6th, 2023](#)). Resolution of the Call to carry out research projects UNED 2023, [BICI nº 33. of May 17th, 2023](#). Aimed at financing Knowledge Generation Projects, within the framework of the State Program to Promote Scientific-Technical Research and its Transfer, of the State Plan for Scientific, Technical and Innovation Research 2021-2023; and having achieved more than 70 points, but not research funding. From: 05/06/2023 to: 31/12/2024. Principal researcher: **Antonio Robles Gómez** / Rafael Pastor Vargas. Amount: 10.000 €.

Open platform to facilitate the development of Industry 4.0 remote laboratories (In4Labs). TED2021-131535B-I00. Type: National (Ministry of Science and Innovation). Ecological Transition and the Digital Transition of the 2021-2023 State Plan for Scientific, Technical and Innovation Research, within the framework of the recovery, transformation and resilience plan. [Resolution](#). Participants: UNED. From: 01/12/2022 to: 30/11/2024. Principal researcher: Sergio Martín Gutiérrez / **Antonio Robles Gómez**. Amount: 73.830 €.

LLSF – Education 4.0: Living Labs for the Students of the Future. Type: Erasmus Plus, European Union, nº 2021-1-RO01-KA220-HED-000032176. Participants: Universitatea Politehnica Din Bucuresti (Coordinator, Rumany), Tel Aviv University (Israel), UNED (Spain), Universidade Nova De Lisboa (Portugal), Universita Politecnica Delle Marche (Italy). From: 11/2021 to: 10/2024. Principal researcher: Jesús González Boticario (UNED) and Mihnea Costoiu (general). Amount: 323,865 € (62,211 € UNED).

SUstainable MAagement of Cloud and IoT educative Laboratories (SUMA-CITeL). 096-043077. UNED 2022 Research Promotion Plan ([BICI n. 18 / Annex of February 21st, 2022](#)). Resolution of the Call to carry out research projects UNED 2022, [BICI nº 32 of June 6th, 2022](#). Aimed at financing research projects within the framework of the 2017-2020 National Program for the Generation of Knowledge, and having achieved more than 70 points, but not research funding. From: 07/06/2022 to: 31/12/2023. Principal researcher: **Antonio Robles Gómez** / Rafael Pastor Vargas. Amount: 10.000 €.

efficient Network Management of Laboratories (eNMoLabs). UNED project, “International Thinking-Jóvenes Investigadores”. [Resolution](#). From: 01/01/2019 to: 31/12/2021. Principal researcher: **Antonio Robles Gómez**. Amount: 4.000 €.

C.4. Contracts, technological or transfer merits

- Advisor of two research support technicians. Community of Madrid, European Social Funding, Youth Employment Initiative (YEI). Contracts granted: PEJ-2018-TL/TIC-10842 (01/06/2019 – 31/05/2021); PEJ-2021-TL/TIC-23245 (01/11/2022 – 31/10/2024).
- TV show: “[Fake News. La fábrica de mentiras](#)”. TVE2, November 2023. A total of 719 visualizations in [YouTube](#) (December, 2023).
- Participant on the Seminar "RediMadrid 2023": [La Unidad de Sistemas y Tecnología de la ETSI Informática de la UNED: Impulsando la Innovación Educativa](#)". October, 2023.
- Participant on the Seminar "[Tecnologías Blockchain para la sociedad](#)" with "Proyectos e iniciativas blockchain impulsados por los miembros del Grupo Local de Blockchain de IEEE España". June, 2023.
- Co-coordinator of the UNED-INCIBE Cybercamp initiative through the [Cyberacademia](#) formative professional course. From 2023 to 2025.
- Participant on the Seminar [Implementación del ENS en entidades locales y empresas públicas de la CAM](#), with the talk "[El ENS como parte del RGPD](#)", as well as UNED representative for opening the seminar. Department of Local Administration and Digitalization of the Community of Madrid, UNED Foundation and Computer Science Engineering School from UNED. December, 2022.
- Seminar for the Blockchain module in C1b3rwall Academy: “Blockchain y su aplicación en gestión de evidencias”. June, 2021. Formative Program coordinated by the University of Salamanca and the Spanish Police. 2021 visualizations in [YouTube](#) (December, 2023).
- An elected member of the Executive Committee for the 2020-2021 and 2022-2023 periods as a Secretary within the [IEEE Spain Section Board](#).
- Assistance y support in a Contract for the MOOC “Elementos de la IA” (*Spanish version*) of the European Commission and the Spanish Government. Coordinated by the professor Rafael Pastor at UNED. 2021-2022. Participants: 7. Funding: 17787€. [Welcome notice](#).