

Fecha del CVA	28/02/2024
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Parte A. DATOS PERSONALES

Nombre	Bernardo		
Apellidos	Tabuenca Archilla		
Sexo	Hombre	Fecha de Nacimiento	30/08/1977
DNI/NIE/Pasaporte	53021893Q		
URL Web			
Dirección Email	bernardo.tabuenca@upm.es		
Open Researcher and Contributor ID (ORCID)	0000-0002-1093-4187		

A.1. Situación profesional actual

Puesto	Profesor Contratado Doctor		
Fecha inicio	2021		
Organismo / Institución	Universidad Politécnica de Madrid		
Departamento / Centro	ETSISI / Escuela Técnica Superior de Ingeniería de Sistemas Informáticos		
País		Teléfono	
Palabras clave			

A.2. Situación profesional anterior (incluye interrupciones en la carrera investigadora - indicar meses totales, según texto convocatoria-)

Periodo	Puesto / Institución / País
2018 - 2021	Profesor Ayudante Doctor / Universidad Politécnica de Madrid
2016 - 2018	Profesor Asociado 6+6 / Universidad Politécnica de Madrid
2016 - 2018	Project manager / STEF Iberia S.A.
2017 - 2018	Docente / Universidad Internacional de La Rioja
2016 - 2017	Docente / Bureau Veritas Formación
2015 - 2017	Postdoc / Open University of The Netherlands / Holanda
2011 - 2015	Doctorando / Open University of The Netherlands
2008 - 2011	Multimedia database designer / ERICSSON España, S.A.
2008 - 2009	Profesor Asociado 4+4 / Universidad Politécnica de Madrid
2005 - 2008	Desarrollo de sistemas / INDRA Sistemas, S.A.
2004 - 2005	Analista programador / ALMA Technologies S.A.
2004 - 2004	Analista programador / SIEMENS A.G.
1998 - 2002	Analista programador / TIREA S.A.
1997 - 1999	Técnico. Desarrollo web / ISOLUX WAT, S.A.

A.3. Formación académica

Grado/Master/Tesis	Universidad / País	Año
Doctor en Ingeniería Telemática (UC3M)	CELSTEC - Center of Learning Sciences and Technologies. Open University of The Netherlands (The Netherlands)	2015

Parte C. LISTADO DE APORTACIONES MÁS RELEVANTES

C.1. Publicaciones más importantes en libros y revistas con "peer review" y conferencias

AC: Autor de correspondencia; (nº x / nº y): posición firma solicitante / total autores. Si aplica, indique el número de citaciones

- 1 **Artículo científico.** Bernardo Tabuenca; Manuel Uche Soria; Wolfgang Greller; Davinia Hernández Leo; Paula Balcells Falgueras; Peter Gloor; Juan Garbajos. 2024. [JCR: Q1] Greening smart learning environments with Artificial Intelligence of Things. *Internet of Things*. Elsevier. 25.
- 2 **Artículo científico.** Ansje Löhr; Valerie Broers; Bernardo Tabuenca; Heidi Savelli; Tabea Zwimpfer; Maartje Folbert; Francis Brouns. 2024. [JCR: Q1] Informing and inspiring worldwide action against marine litter - The impact of the Massive Open Online Course (MOOC) on Marine Litter. *Marine Pollution Bulletin*. Elsevier. 198.
- 3 **Artículo científico.** Bernardo Tabuenca; Juan Luis Moreno Sancho; Juan Arquero Gallego; Wolfgang Greller; Davinia Hernández Leo. 2023. [JCR: Q1] Generating an environmental awareness system for learning using IoT technology. *Internet of Things*. Elsevier. 22.
- 4 **Artículo científico.** Alejandro Leo Ramirez; José Alvarez; Wolfgang Greller; Bernardo Tabuenca. 2023. [JCR: Q2] Learning Activities with Plants and Technology: A Systematic Literature Review. *Applied Sciences*. 13-6.
- 5 **Artículo científico.** Bernardo Tabuenca; Wolfgang Greller; Dominique Verpoorten. 2022. [JCR: Q2] Mind the gap: smoothing the transition to Higher Education fostering time management skills. *Universal Access in the Information Society*. En prensa.
- 6 **Artículo científico.** Bernardo Tabuenca; Sergio Serrano Iglesias; Adrian Carruana Martin; Cristina Villa Torrano. 2021. [JCR: Q1] Affordances and Core Functions of Smart Learning Environments: A Systematic Literature Review. *IEEE Transactions on Learning Technologies*. IEEE. In press.
- 7 **Artículo científico.** Bernardo Tabuenca; Dirk Boerner; Marco Kalz. 2021. [JCR: Q1] Effects of an ambient learning display on noise levels and perceived learning in a secondary school. *IEEE Transactions on Learning Technologies*. IEEE. 14-1, pp.69-80.
- 8 **Artículo científico.** Bernardo Tabuenca; Vicente Garcia Alcantara; Carlos Gilarranz Casado; Samuel Barrado Aguirre. 2020. [JCR: Q1] Fostering Environmental Awareness with Smart IoT Planters in Campuses. *Sensors*. mdpi. 20-8.
- 9 **Artículo científico.** Covadonga Rodrigo; Bernardo Tabuenca. 2020. [JCR: Q1] Learning ecologies in online students with disabilities. *Comunicar*. 1-62.
- 10 **Artículo científico.** Jorge Perez; Jessica Diaz; Javier Garcia Martin; Bernardo Tabuenca. 2020. [JCR: Q1] Systematic literature reviews in software engineering— Enhancement of the study selection process using Cohen’s kappa statistic. *Journal of Systems and Software*. Elsevier. 168-110657.
- 11 **Artículo científico.** Bernardo Tabuenca; Marco Kalz; Ansje Löhr. 2019. [JCR: Q2] Massive Open Online Education for Environmental Activism: The Worldwide Problem of Marine Litter. *Sustainability*. MDPI. 11-10.
- 12 **Artículo científico.** Bernardo Tabuenca; Marco Kalz; Ansje Lohr. 2018. [JCR: Q3] MoocCast: Evaluating Mobile Screencast for Online Courses. *Universal Access in the Information Society*. Springer. 14, pp.745-753.
- 13 **Artículo científico.** Bernardo Tabuenca; Marco Kalz; Hendrik Drachsler; Marcus Specht. 2015. [JCR: Q1] Time Will Tell: The role of mobile learning analytics in self-regulated learning. *Computers & Education*. Elsevier. 89, pp.53-74.
- 14 **Artículo científico.** Marco Kalz; Niklas Lenssen; Marc Felzen; Rolf Rossaint; Bernardo Tabuenca; Marcus Specht; Max Skorming. 2014. [JCR: Q1] Smartphone Apps for Cardiopulmonary Resuscitation Training and Real Incident Support: A Mixed-Methods Evaluation Study. *Journal of Medical Internet Research*. JMIR. 3-16.
- 15 **Artículo científico.** Bernardo Tabuenca; Marco Kalz; Stefaan Ternier; Marcus Specht. 2014. [JCR: Q2] Stop and think: Exploring mobile notifications to foster reflective practice on meta-learning. *IEEE Transactions on Learning Technologies*. IEEE. 8, pp.124-135.
- 16 **Artículo científico.** Bernardo Tabuenca; Marco Kalz; Stefaan Ternier; Marcus Specht. 2014. [JCR: Q3] Mobile authoring of open educational resources for authentic learning scenarios. *Universal Access in Information Society*. Springer. pp.1-15.
- 17 **Artículo científico.** Bernardo Tabuenca; Stefaan Ternier; Marcus Specht. 2013. Supporting lifelong learners to build personal learning ecologies in daily physical spaces. *International Journal of Mobile Learning and Organisation*. Inderscience Enterprise Ltd. 7-3-4, pp.177-196.

C.2. Congresos

- 1 [Internacional] Unlocking the Potential of IoT for Interactive and Collaborative Learning: Case Studies in Higher Education. International Conference on Interactive Collaborative Learning. International Association of Online Engineering. 2023. Austria.
- 2 [Internacional] Recognizing lifelong learning competences: a report of two cases. IEEE Global Engineering Education Conference (EDUCON). IEEE. 2023. Túnez.
- 3 [Internacional] Creating Environmental Awareness in Education Through IoT and Gamification. International Conference on Interactive Collaborative Learning. International Association of Online Engineering. 2022. Austria.
- 4 [Internacional] Worldwide impact of the Massive Open Online Course on Marine Litter. 7th International Marine Debris Conference. UNEP. 2022.
- 5 [Internacional] Engineering IoT systems in the convergence between agronomic and computer sciences. IEEE Global Engineering Education Conference (EDUCON). IEEE. 2022. Túnez.
- 6 Bernardo; Wolfgang; Davinia; Carlos; Vicente; Edmundo. [Internacional] Talking to plants: an IoT system supporting human-plant interactions and learning. LAS4SLE @ EC-TEL 2021: Learning Analytics for Smart Learning Environments,. 2021. Italia.
- 7 [Internacional] Solutions to ventilate learning spaces: a review of current CO2 sensors for IoT systems. IEEE 45th Annual Computers, Software, and Applications Conference (COMPSAC). IEEE Computer Society. 2021.
- 8 Edmundo Tovar; Bernardo Tabuenca; Nelson Piedra. [Internacional] EntreCom4ALL model to sustain the entrepreneurship competence needs. IEEE Global Engineering Education Conference (EDUCON). IEEE Computer Society. 2020. Portugal.
- 9 Bernardo Tabuenca. [Internacional] Instalación de maceteros y jardines sostenibles e inteligentes. COP25 Chile - Cómo la investigación y la innovación contribuyen al estudio y mitigación del cambio climático. Universidad Politécnica de Madrid. 2019. España.
- 10 Bernardo Tabuenca. [Internacional] The PRISMA: A Visual Feedback Display for Learning Scenarios. 13th International Conference on Ubiquitous Computing and Ambient Intelligence UCAmI 2019. Universidad de Castilla-La Mancha. 2019. España.
- 11 [Internacional][CORE A] Open Repositories as entrepreneurship skills sharpener for young engineers and trainers. Frontiers In Education. IEEE. 2019. Estados Unidos de América.
- 12 Edmundo Tovar; Bernardo Tabuenca. [Internacional] Do MOOCs Sustain the UNESCO's Quality Education Goal?. IEEE Global Engineering Education Conference (EDUCON). IEEE Computer Society. 2019. Emiratos Árabes Unidos.
- 13 Bernardo Tabuenca; Dirk Börner; Marco Kalz; Marcus Specht. [Internacional] User-modelled ambient feedback for self-regulated learning. European Conference on Technology Enhanced Learning. Universidad Carlos III de Madrid. 2015. España.
- 14 Dirk Börner; Bernardo Tabuenca; Jeroen Storm; Sven Happe; Marcus Specht. [Internacional][CORE A] Tangible Interactive Ambient Display Prototypes to Support Learning Scenarios. International conference on Tangible, Embedded and Embodied Interaction. University of Stanford. 2015. Estados Unidos de América.
- 15 Bernardo Tabuenca; Marco Kalz; Marcus Specht. [Internacional] NFC LearnTracker: Seamless support for learning with mobile and sensor technology. Immersive Education Summit. University of Graz. 2014. Austria.
- 16 Bernardo Tabuenca; Marco Kalz; Marcus Specht. [Internacional][CORE A] Tap it again, Sam: harmonizing the frontiers between digital and real worlds in education. Frontiers in Education. IEEE Computer Society. 2014. España.

C.3. Proyectos o líneas de investigación

- 1 **Proyecto.** Showcasing Urban Trees for Environmental Education with IoT Technology (SUTEE). EU: Erasmus +. Strategic partnerships for school education. Bernardo Tabuenca. (Universidad Politécnica de Madrid). 01/09/2023-30/08/2026. 250.000 €.
- 2 **Proyecto.** Teaching environmental awareness with smart IoT planters in learning spaces (TEASPILS). EU: Erasmus +. Strategic partnerships for higher education. Bernardo Tabuenca. (Universidad Politécnica de Madrid). 01/09/2020-30/08/2023. 249.000 €.

- 3 **Proyecto.** Empowering STEM candidates for employability and entrepreneurship with enhanced non-technical soft and transversal skills. (Universidad Politécnica de Madrid). 01/03/2021-28/02/2023. 260.095 €.
- 4 **Proyecto.** Learning analytics to enhance the design and orchestration in scalable, IoT-enriched, and ubiquitous Smart Learning Environments (SMARTLET). INTERREG - EU - FEDER. Yannis Dimitriadis. (Universidad de Valladolid). 01/01/2018-31/12/2020.
- 5 **Proyecto.** Open resources for entrepreneurship competences for all (EntreCom4ALL). Erasmus+. Edmundo Tovar. (Universidad Politécnica de Madrid). 01/12/2017-30/12/2019.
- 6 **Proyecto.** United Nations Environmental Programme MOOC Marine Litter (MOOCML). United Nations Environmental Programme (UNEP). Ansje Löhr. (Open University of The Netherlands). 01/02/2017-30/10/2019.
- 7 **Proyecto.** Elearning, Communication and Open-data: Massive Mobile, Ubiquitous and Open Learning (ECO). CIP - Competitiveness and innovation framework programme (CIP)(2007-2013). (Open University of The Netherlands). 01/02/2014-31/01/2017.
- 8 **Proyecto.** Learning Analytics Community Exchange (LACE). EU FP7. (Open University of The Netherlands). 01/01/2014-30/06/2016.
- 9 **Proyecto.** Open Discovery Space (ODS). CIP - Competitiveness and innovation framework programme (CIP)(2007-2013). (Open University of The Netherlands). 01/04/2012-30/09/2015.
- 10 **Proyecto.** New approaches for resuscitation support and training (EMuRgency). INTERREG IVa program - EU. (Open University of The Netherlands). 01/01/2013-31/12/2014.
- 11 **Proyecto.** eMadrid: Investigación y desarrollo de tecnologías educativas en la Comunidad de Madrid. Carlos Delgado Kloos. (Universidad Carlos III de Madrid). Desde 21/10/2016.