Ander Galisteo

contact

Avenida de Navarra, 21
Donostia, 20013
Euskadi
Spain

+34 665 758 633

andergalisteo@gmail.com
www.andergalisteo.com

languages

English fluent
Spanish native
Basque native

programming

Matlab, C, assembly
C++, Python, Java
SQL, Javascript,
HTML, CSS
LaTeX

interests

professional: Embedded
systems, Resource
limited, Architecture
design, Visible Light
Communication,
Simulations, Teaching
personal: Guitar, Chess,
Riddles, Puzzles,
Reading, Music,
Electronics

experience

2020–Now	**IKERLAN**	Mondragón, Spain

Embedded Cybersecurity Industrial Researcher and Developer
In this role I work on improving the security of industrial systems and application in resource-limited environments to provide a more reliable access to them

2016–2020	**IMDEA Networks Institute**	Madrid, Spain

Researcher and Developer
Researcher experienced on embedded systems for communication in the area of Visible Light Communication for IoT, creating battery-free devices, research platforms and real-world testbeds

2018–2020	**University Carlos III of Madrid**	Madrid, Spain

Teaching Assistant
Teaching assistant for Networks and Communication Services and Computer Networks classes. Lectures, practical classes and labs were taught

2015–2016	**University of Houston**	Houston, USA

Teaching assistant, Researcher and Developer
Teaching assistant for Information Systems Application Development (Java) and Enterprise Application Development under Prof. Keith Lancaster's supervision. Researcher and Developer under Dr. George Zouridakin on the Biomedical Imaging Lab.

Fall 2014	**University of Navarra (Tecnun)**	San Sebastian, Spain

Teaching Assistant
Teaching assistant for Advanced C++ under Dr. Gonzalo Solas' supervision.

Sum. 2014	**Fraunhofer IIS**	Erlangen, Germany

Summer Internship, Researcher and Developer
Development of a wrapper to simulate ARM intrinsics with g++ under Mr. Thomas Dettbarn's supervision.

2012–2013	**University of Navarra (Tecnun)**	San Sebastian, Spain

Research assistant and Developer
Development of a telemetry system using Arduinos and ZigBee for formula student racing cars.

education

2021–Now	**Master of Business Administration** - MBA	Quantic School of Business
2016–2020	**Ph.D.** in Telematics Engineering	University Carlos III Madrid & IMDEA Networks
Fall 2018/19	**Ph.D. intership** in the Information Technology department	Uppsala University
2015–2016	**M.Sc.** in Eng. Tech. Network Communication track	University of Houston
2014–2016	**M.Sc.** in Telecommunication Engineering	University of Navarra (Tecnun)
2010–2014	**B.Eng.** in Telecommunication System Engineering	University of Navarra (Tecnun)

projects

2016-2020	**Ph.D. Thesis Title:** VLC Networks for IoT and its Applications	IMDEA Networks
2016-2020	**Main current developer of:** OPENVLC platform	IMDEA Networks
2016	**Master Thesis:** Preprocessing tools for a currently existing automated melanoma detection algorithm improvement	University of Houston
2014	**Senior Project:** A Modular and User-Friendly Platform for Acquiring GNSS Raw Data and Comparing Different Positioning Algorithms	University of Navarra

awards

2021   **Nova List** Nova Talent
Awarded to young professionals under 35 who will shape the future of Spain.

2019   **MobiHoc Student Travel Grant** U.S. National Science Foundation and SIGCOMM
Awarded to selected students to co-fund attendance costs of MobiHoc conference

2017   **CoNEXT Student Travel Grant** U.S. National Science Foundation and SIGCOMM
Awarded to selected students to co-fund attendance costs of CoNEXT conference

2016   **Doctorate at Spanish Universities fellowship** La Caixa
Selected with other 19 students over 400+ candidates

2016   **Altuning Pro award** Altuning (foundation) and Kutxa (bank)
One of the four winners with the most innovative ideas for Gipuzkoa

2016   **COT Graduate Research day** University of Houston
2nd place winner in poster presentation category

Fall 2015   **GRaSP** University of Houston
Selected to the annual Graduate Research and Scholarship Projects presentation

2015   **Caja Rural de Navarrra Fellowship** Caja Rural de Navarra (bank)
Scholarship given to the best candidates doing a thesis abroad. Total of 50 given

2014   **UNAV Award for Academic Excellence** UNAV (university)
Awards outstanding academic and professional performance. Total of 3 given

2014   **Kutxabank Award for Academic Excellence** Kutxa (bank)
Award given to the student with the best academic record in each major that year

2014   **Universidad de Navarra Scholarship** Santander (bank)
Scholarship given to the best candidate on the Telecommunication Engineering Master

publications

Sep. 2020   Short paper Mobicom Conference
(...), GALISTEO, Ander et al. **Non-linearity of LEDs for VLC IoT applications**

June 2020   Long paper Mobisys Conference
GALISTEO, Ander et al. **Two to Tango: Hybrid Light and Backscatter Networks for Next Billion Devices**

June 2020   Long paper SECON Conference
GALISTEO, Ander et al. **Filtering Visible Light Reflections with a Single-Pixel Photodetector**

Feb. 2020   Long paper Transactions on Networking (ToN)
Bayens, Jona (...) GALISTEO, Ander et al. **A Cell-free Networking System with Visible Light**

July 2019   Demo Mobihoc Conference
GALISTEO, Ander et al. **Video Transmission Using Low-Cost Visible Light Communication**

April 2019   Long paper World Forum-IOT Conference
GALISTEO, Ander et al. **Research in Visible Light Communication Systems with OpenVLC1.3**

Dec. 2018   Long paper CoNEXT Conference
Bayens, Jona, GALISTEO, Ander et al. **DenseVLC: A Cell-Free Massive MIMO System with Distributed LEDs**

Feb. 2018   Short paper WONS Conference
GALISTEO, Ander, et al. **OpenVLC1.2: Achieving Higher Throughput in Low-End Visible Light Communication Networks.**

Dec. 2017	Long paper	CoNEXT Conference

GALISTEO, Ander, et al. **Follow that Light: Leveraging LEDs for Relative Two-Dimensional Localization.**

Oct. 2017	Demo	Proceedings of the 4th ACM Workshop on Visible Light Communication Systems

GALISTEO, Ander, et al. **OpenVLC1. 2 for Increased Data Rate with Embedded Systems.**

dissemination

Spring 2020	**3 dissemination Articles**	Agencia SINC
	Mathematical analysis of Covid-19 for the general public	
April 2020	**Appearance in TV**	RTVE and EITB
	Consultation as an expert regarding the Covid-19	
Mar. 2019	**Aula Ciencia**	Aula ciencia Madrid
	Scientific demo for young students	
Mar. 2019	**Science Corner**	Aula ciencia Madrid
	Dissemination talk for the general public	
Sep. 2018	**Elhuyar aldizkaria**	Elhuyar
	Dissemination article about the blockchain in Elhuyar (in basque)	
Oct. 2018	**Naukas divulgación web**	Naukas
	Dissemination article about the blockchain in Naukas (in spanish)	
Oct. 2018	**Ciencia en acción**	Villadecans
	Stand in Ciencia en Acción with a demo for young students	
Mar. 2018	**Aula Planeta Ciencia**	Madrid
	Demo in AULA Planeta Ciencia in Madrid	
Nov. 2017	**Invited talks**	Week of the science of Madrid
	Sciencific dissemination talk for the general public	
March. 2017	**Seminario Junior**	UC3M
	Sciencific dissemination talk for the general public	

others

Feb. 2018	**EWSN Conference**	UC3M and IMDEA Networks
	Local co-organizer of the International Conference on Embedded Wireles Systems and Networks	