Pablo Jiménez Mateo

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RESEARCH EXPERIENCE

IMDEA Networks Institute September 2017 - Present
Research Assistant
Network management and control for mmWave communications.

Universitat Jaume I May 2016 - July 2016
Research Assistant
Design and development of a distributed system using agents for traffic analysis in real time.

Universitat Jaume I March 2015 - July 2015
Research Assistant
Design and development of a self-organized system for emergency management traffic accesses.

Universitat Jaume I October 2014 - January 2015
Research Assistant
Generation of georeferenced alerts based on the study of the interaction of users in social networks.

Continuum Analytics February 2014 - July 2014
Engineering internship
Data compression using linear codes.

ACADEMIC EXPERIENCE

Universidad Carlos III de Madrid September 2018 - December 2018
Venia docendi
Teaching Access networks and shared media.

Universidad Carlos III de Madrid September 2018 - December 2018
Bachelor thesis supervisor
Interactive visualization of multifrequency coverage using virtual reality.

EDUCATION

Universidad Carlos III de Madrid September 2016 - November 2020
Ph.D. (4-year degree) in Telematics Engineering, September 2020 (expected).
M.Sc. (1-year degree) in Telematics Engineering, September 2017.

Universitat Jaume I September 2009 - November 2016
M.Sc. (1-year degree) in Intelligent Systems, November 2016.
B.S. (4-year degree) in Computer Engineering, specialty in Information Technologies, July 2015.
B.S. (4-year degree) in Computational Mathematics with intensification in Mathematics, July 2014.
Postgraduate Course in applied computer security: attack and defense, 2012.

LANGUAGES AND TECHNOLOGIES

Computer Languages	Python, MATLAB, Java, C/C++, R, SQL.
Software & Tools	MATLAB, NS-3, WinProp, LaTeX, GIT, Linux, Mininet.
Languages	English (CAE Grade A), Spanish (Native), Catalan (Native).

PUBLICATIONS

[1] Jiménez Mateo, Pablo and Blanco, Alejandro and Ludant, Norbert and Marugan Borelli, Matteo and García-García, Amanda and Loch, Adrian and Shi, Zhenyu and Wang, Yi and Widmer, Joerg *A Comprehensive Study of Low Frequency and High Frequency Channel Correlation*. International Conference on Computing, Networking and Communications (ICNC 2019), 18-21 February 2019 , Honolulu, Hawaii, USA.

[2] Andrés Ramiro, Carlos and Fiandrino, Claudio and Blanco, Alejandro and Jiménez Mateo, Pablo and Ludant, Norbert and Widmer, Joerg *OpenLEON: An End-to-End Emulator from the Edge Data Center to the Mobile Users*. Proceedings of the 12th International Workshop on Wireless Network Testbeds, Experimental Evaluation & Characterization - WiNTECH 18, 2018, doi:10.1145/3267204.3267210.

[3] Vicente Ramón Tomás López, Luis Amable García Fernández, José F. García Calderaro, Pablo Jiménez Mateo *Diseño y desarrollo de un sistema auto-organizado para la gestión de emergencias de tráfico en los accesos a Castellón de la Plana*. Autoria. Científic, 2016. ISBN 9788460889878. Castellón (Espanya). Ed. Fundación Dávalos-Fletcher.

PROJECTS

Técnicas Avanzadas para Potenciar la Inteligencia de las Redes 5G (TAPIR-CM) 2019-2022
Reference: P2018/TCS-4496
Main researcher: Domenico Giustiniano
Financing entity: Comunidad de Madrid

SEARCHLIGHT: A new communication paradigm for future very high speed 2017-2019
Reference: ERC CoG 617721
Main researcher: Joerg Widmer
Financing entity: European Research Council

Tecnologías Integradas de gestión y operación de Red 5G (TIGRE5-CM) 2017-2018
Reference: S2013/ICE-2919
Main researcher: Joerg Widmer
Financing entity: Comunidad de Madrid

LF assists HF in beam tracking and mobility 2017-2018
Reference: Huawei HF2016120010
Main researcher: Joerg Widmer
Financing entity: Huawei Technologies (China)