CURRICULUM VITAE

PERSONAL INFORMATION

Name	**ROPERO PASTOR, FERNANDO**
Address	**7, AMAPOLA, 28813, TORRES DE LA ALAMEDA, MADRID, ESPAÑA**
Telephone	**cell. +34 697.874.337**
E-mail	**Fernando.ropero@uah.es**
Nationality	Spanish
Date of birth	MAY 28, 1992

WORK EXPERIENCE

• Dates	February 2019 – Today
• Name and address of employer	Delft University of Technology, Delft, The Nederlands
• Type of business or sector	Delft Center for Systems and Control Department
• Occupation or position held	Visiting Researcher
• Main activities and responsibilities	Scientific research in control theory applied in robotics
• Dates	February 2016 – April 2018
• Name and address of employer	University of Alcalá, Alcalá de Henares, Spain
• Type of business or sector	Department of Computer Engineering
• Occupation or position held	Researcher
• Main activities and responsibilities	Scientific research focused on the PhD Program in Space Research and Astrobiology
• Dates	July 2016
• Name and address of employer	ORBITAL Critical Systems, San Fernando de Henares, Spain
• Type of business or sector	Aeronautics / Space / Railways / R & D + I
• Occupation or position held	Software Developer
• Main activities and responsibilities	Design and development of a database system
• Dates	September 2014 – September 2015
• Name and address of employer	University of Alcalá, Alcalá de Henares, Spain
• Type of business or sector	Department of Computer Engineering
• Occupation or position held	Research Assistant
• Main activities and responsibilities	Scientific research
• Dates	May 2014 – October 2014
• Name and address of employer	Witzenmann Española S.A, Polígono Industrial del Henares, Guadalajara, Spain
• Type of business or sector	Industrial Manufacturing
• Occupation or position held	System Technician
• Main activities and responsibilities	Designer and developer of the database systems

• Dates	June 2013 – May 2014
• Name and address of employer	Witzenmann Española S.A, Polígono Industrial del Henares, Guadalajara, Spain
• Type of business or sector	Industrial Manufacturing
• Occupation or position held	Software Developer
• Main activities and responsibilities	Help-desk

EDUCATION AND TRAINING

• Dates	2016-Today
• Name and type of organization providing education and training	University of Alcalá, Alcalá de Henares, Spain
• Principal subjects/occupational skills covered	Space science, technology and engineering and space projects management
• Title of qualification awarded	Pursuing the PhD Program in Space Research and Astrobiology
• Dates	2015-2016
• Name and type of organization providing education and training	University of Alcalá, Alcalá de Henares, Spain
• Principal subjects/occupational skills covered	Space science, astrophysics, high-energy physics, space technology and engineering, space project management - Experimental thesis: "An autonomous controller application for exploration unmanned aerial vehicles"
• Title of qualification awarded	Master's degree in science and Technology from Space
• Dates	2010–2015
• Name and type of organization providing education and training	University of Alcalá, Alcalá de Henares, Spain
• Principal subjects/occupational skills covered	Bachelor's in computer science engineering – Experimental thesis: "Development of a ground control station for autonomous controllers".
• Title of qualification awarded	Computer Science Engineer

OTHER COURSES

• Dates	2017-2018
• Name and type of organization providing education and training	British Council, Madrid, Spain
• Principal subjects/occupational skills covered	English Language
• Title of qualification awarded	Course in Advanced English – Pre-Advanced (B2.2)
• Dates	May 2014
• Name and type of organization providing education and training	University of Alcalá, Alcalá de Henares, Spain
• Principal subjects/occupational skills covered	Fundamentals of the Python programming language
• Title of qualification awarded	Introduction to the Python language and the Django web framework
• Dates	July 2012
• Name and type of organization providing education and training	University of Alcalá, Alcalá de Henares, Spain
• Principal subjects/occupational skills covered	Principales técnicas y herramientas en la auditoría de seguridad informática
• Title of qualification awarded	Computer Security Audit

PERSONAL SKILLS AND COMPETENCES	
MOTHER TONGUE	**SPANISH**
OTHER LANGUAGES	
	ENGLISH
• Reading skills	INDEPENDENT USER
• Writing skills	INDEPENDENT USER
• Verbal skills	INDEPENDENT USER

ORGANIZATIONAL SKILLS AND COMPETENCES

- *Tutor of 2 Bachelor's students*

- *Organization member of the 6th International Conference on Space Mission Challenges for Information Technology (SMC-IT), 2017.*

- *Participation of funded research projects:*
  - *2016   Fall detection through triaxial acelerometer in remote care environment for dependece", University of Acalá (UAH2015/00297/001), Principal Researcher: Dr. David Fernández Barrero*
  - *2017   "Robotics Simulation" University of Alcalá, Principal Researcher: Dr. David Fernández Barrero.*
  - *2017   "Robotic simulation for the teaching of artificial intelligence", University of Alcalá (UAH2016/00351/001), Principal Researcher: Dr. David Fernández Barrero.*

TECHNICAL SKILLS AND COMPETENCES

MAIN RESEARCH TOPICS
- *Unmanned aerial and ground vehicles engineering.*
- *Multi-Robot Cooperation and Coordination.*
- *Collective intelligence and swarm behaviors in multi-agent systems.*
- *High-level modelling in mission planning*
- *Autonomous controllers oriented for robotic cooperation*
- *Computational Geometry algorithms in multi-robot paradigms*
- *Combinatorial optimization methods*

SCIENTIFIC PUBLICATIONS
- *Author or co-author of 8 journal articles in scientific publications on original investigations.*

OTHER SKILLS AND COMPETENCES

COMPUTER SCIENCE
- Good level of knowledge of computer programming.

DRIVING LICENSE

Category B

Alcalá de Henares, March 23rd, 2019