

Marie Skłodowska Curie Action – Postdoctoral Fellowship 2023
Expression of interest – Hosting offer
(MSCA-PF-2023)

Contact Person/Scientist in charge	Name	Antonio								
	Surname	Pérez Yuste								
	Email	antonio.perez@upm.es								
Department /Institute /Centre	Name	Departamento de Ingeniería Audiovisual y Comunicaciones (DIAC-UPM)								
	Address	ETSI Sistemas de Telecomunicación, Campus Sur UPM, Ctra. Valencia, km. 7								
	Province	Madrid, Spain								
Research Area		<table border="0"> <tr> <td>Social Sciences and Humanities (SOC)</td> <td>Life Sciences (LIF)</td> </tr> <tr> <td>Economic Sciences (ECO)</td> <td>Mathematics (MAT)</td> </tr> <tr> <td>Information Science and Engineering (ENG)</td> <td>Physics (PHY)</td> </tr> <tr> <td>Environment and Geoscience (ENV)</td> <td>Chemistry (CHE)</td> </tr> </table>	Social Sciences and Humanities (SOC)	Life Sciences (LIF)	Economic Sciences (ECO)	Mathematics (MAT)	Information Science and Engineering (ENG)	Physics (PHY)	Environment and Geoscience (ENV)	Chemistry (CHE)
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Brief description of the Centre/Research Group		<p>The Radio Communications Group at UPM (GRC-UPM) is a European research leader with expertise in wireless communications and the development of RF hardware equipment. Our research has grown over the years in according to the international standards. We give research a high priority with a clear commitment with innovation and transfer of know-how to industry.</p> <p>Our group has more than 15 years working on wireless communications for intelligent transportation systems and on personal mobile communications, and more than 25 years working on radio communications, including the development of microwave devices and systems.</p> <p>Know more about us at our webpage: grc.upm.es</p>								
Project description		<p>The Intelligent Speed Assistance (ISA) system informs, warns, and discourages the driver to exceed the statutory local speed limit. The European Union agreed in 2019 to make an overridable version of ISA, along with a number of other vehicle safety measures, mandatory on new models of car sold in Europe from 2022.</p> <p>Currently, the European Commission is supporting a combination of an extension of the general Wi-Fi standard, called ITS-G5, and the adaption of existing land mobile cellular networks to vehicle communications, called C-V2X, to build the communications network behind those services.</p> <p>The main objective for this MSCA position consists of exploring the feasibility of an alternative novel solution for wireless connected vehicles based on BLE5 technology and besides that, carrying out the development of a prototype based on cost-effective and low-consumption off-the-shelf modules.</p> <p>The project length is estimated to be lasted for two to three years and represents a chance to gain a tenured researching position at UPM.</p>								
Applications: documents to be submitted and deadlines		<p>Those interested in the position and meeting the requirements, please send your application with next documents before April 30, 2023:</p> <ul style="list-style-type: none"> - Transcript of records of previous studies. - Resume, also including publications and projects. - Motivation letter. 								