

Marie Skłodowska Curie Action –Postdoctoral Fellowship 2023  
(MSCA-PF-2023)

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<b>Department /Institute /Centre</b>	<b>Name</b>	Department of Applied Mathematics to Industrial Engineering
	<b>Address</b>	Ronda de Valencia 3, 28012 Madrid
	<b>Province</b>	Madrid
<b>Research Area</b>		Mathematics (MAT)
<b>Brief description of the Centre/Research Group</b>		<p>The Department of Applied Mathematics to Industrial Engineering gathers researchers with expertise in several branches of mathematics (analysis, numerical analysis, data science, geometry, and topology). Apart from their research, its members give courses on several subjects in Engineering Degrees, both at basic level (Calculus, Differential Equations, Numerical Methods, Linear Algebra, Probability, and Statistics), as well as at more advanced level in the Industrial Mathematics Curriculum (Partial differential equations, advanced numerical methods, mathematical models in engineering). They also teach in the newly activated degree in Mathematics of the Polytechnic University of Madrid.</p> <p>In addition, the Department finances two grants per year with the aim of attracting students that are especially interested in Mathematics and want to prepare their final degree project under the supervision of a member of the Department.</p> <p>More information on <a href="http://dmaii.etsii.upm.es/web/">http://dmaii.etsii.upm.es/web/</a></p>
<b>Project description</b>		<p>The scientific supervisor's research interests cover a broad range in the area of reaction-diffusion equations, combining analytical techniques for ordinary, elliptic, and parabolic equations, with numerical simulations.</p> <p>In particular, he has worked on high multiplicity results for elliptic equations modelling competition and cooperation effects, and on propagation phenomena in heterogeneous media.</p> <p>More information on <a href="http://andreatellini.weebly.com/">http://andreatellini.weebly.com/</a></p> <p>The MSC researcher, if interested, could work on one of the research lines of the scientific supervisor. She/he can also pursue her/his own research lines, possibly in collaboration with the supervisor.</p>
<b>Applications: documents to be submitted and deadlines</b>		Please submit a short CV and, optionally, one or two reference letter/s, ideally before April 30 <sup>th</sup> 2023 to <a href="mailto:andrea.tellini@upm.es">andrea.tellini@upm.es</a>