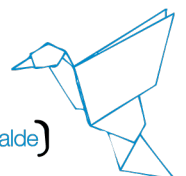


## Postdoctoral Fellowship in Computational Mathematics – MACROPISTAS Project

Job Offer	
Topics:	<p><b>Computational Mathematics</b></p> <p>The researcher will work on a Spanish Ministry funded research project MACROPISTAS – Manufacturing of CuRved Objects via Path-design of cuSTom-shAPed toolS, that deals with manufacturing of complex curved objects.</p> <p>Possible research topics include, but are not limited to: path planning algorithms for 5-axis computer numerically controlled (CNC) machining and contact-based inspection, free-form surface rationalization, and tool-shape design and optimization. Previous experience in geometric modelling projects is particularly welcome.</p>
PI in charge:	Michael Barton and Amaia Calleja
Salary and conditions:	<p><b>The gross annual salary of the Postdoctoral Fellowship will be 28,000 – 32,000€.</b></p> <p>It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency.</p> <p>There is a moving allowance for those researchers that come from a research institution outside the Basque Country up to EUR 2.000 gross.</p> <p><i>Free access to the Public Health System in Spain is provided to all employees.</i></p>
No Positions offered:	<b>#1</b>
Contract and offer:	<b>1+1 years (the second-year contract is conditioned by a positive performance evaluation of the first year)</b>
Deadline:	<b>18<sup>th</sup> September 2020, 14:00 CET (UTC+1)</b>
How to apply:	Applications must be submitted on-line at: <a href="http://www.bcamath.org/en/research/job">http://www.bcamath.org/en/research/job</a>

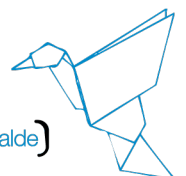
Scientific Profile Requested	
Requirements:	<ul style="list-style-type: none"> <li>Promising young researchers.</li> <li>Applicants must have their PhD completed before 31.08.2020. PhD degree in mathematics, computer science, mechanical engineering, or related area.</li> </ul>



Skills and track-record:	<ul style="list-style-type: none"> <li>• Ability to effectively communicate and present research ideas to researchers with different background.</li> <li>• Ability to clearly present and publish research outcomes in spoken (talks) and written (papers) form.</li> <li>• Skilled in one of the following programming languages: C, C++, C#, Python.</li> <li>• High level of spoken and written English.</li> <li>• Good communication and interpersonal skills.</li> <li>• Skilled in manufacturing technologies such as machining.</li> <li>• Skilled in CAM software.</li> </ul>
Scientific Profile:	<p>The researcher will work on a Spanish Ministry funded research project MACROPISTAS – MANufacturing of CuRved Objects via Path-deslgn of cuSTom-shAPed toolS), that deals with manufacturing of complex curved objects.</p> <p>Possible research topics include, but are not limited to: path planning algorithms for 5-axis computer numerically controlled (CNC) machining and contact-based inspection, free-form surface rationalization, and tool-shape design and optimization. Previous experience in geometric modelling projects is particularly welcome.</p>

### Application and Selection Process

Formal Requirements:	<p>The selected candidate must have applied before the application deadline online at the webpage <a href="http://www.bcamath.org/en/research/job">http://www.bcamath.org/en/research/job</a></p> <p>The candidates that do not fulfil the mandatory requirements will not be evaluated with respect to their scientific profile.</p>
Application:	<p>Required documents:</p> <ul style="list-style-type: none"> <li>▪ CV</li> <li>▪ Letter of interest</li> <li>▪ 2 recommendation letters</li> <li>▪ Statement of past and proposed future research (2-3 pages)</li> </ul>
Evaluation:	<p>Based on the provided application documents of each candidate, the evaluation committee will evaluate qualitatively: the adaption of the previous training and career to the profile offered, the recommendation letters,</p>



the main results achieved (papers, proceedings, etc.), the statement of past and proposed future research and other merits; taking in account the alignment of these items to the topic offered.

**Incorporation:**

**October-November 2020 or as soon as possible thereafter.**

*The BCAM postdoctoral contract will start when the selected candidate has finished the PhD, i.e., after dissertation defence.*

