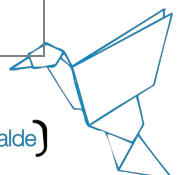# Postdoctoral Fellowship in Computational Approximation Theory

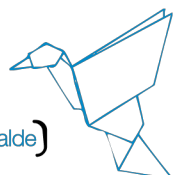| Job Offer	
Topics:	Approximation Theory, Real Number Computation, Applied Geometry
Tasks:	Conduct your own research and at the same time contribute to the Geometry and Analysis Groups in BCAM and Universidad de Cantabria (see the scientific profile for further information).
PI in charge:	**Prof. Javier Fernández de Bobadilla (Ikerbasque Research Professor)**
Research Line:	***Singularity Theory and Algebraic Geometry***
Salary and conditions:	**The gross annual salary of the Fellowship is EUR 28.000 - 32.000.** It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency. There is a moving allowance for those researchers that come from a research institution outside the Basque Country from EUR 1.000 to EUR 2.000 gross. *Free access to the Public Health System in Spain is provided to all employees.*
No Positions offered:	**#1**
Contract and offer:	**1+1 years**
Deadline:	**April 30th, 2019, 12:00 CET (UTC+1)**
How to apply:	Applications must be submitted on-line at: http://www.bcamath.org/en/research/job

Scientific Profile Requested	
Requirements:	➢ Promising young researchers ➢ Applicants must have their PhD completed before the starting date.
Skills and track-record:	➢ Ability to produce innovative research, to learn new subjects and to face open problems in the area from whatever the candidate's background is. ➢ Ability to effectively communicate and present research ideas. ➢ Ability to clearly present and publish research outcomes in spoken (talks) and written (papers) form. ➢ Good command of verbal and written English. ➢ Good communication and interpersonal skills.

(matematika mugaz bestalde)

Scientific Profile:	➢ We look for a candidate who is willing to make research on the fascinating issues surrounding Smale's 7th problem, that is, the distribution of points in the sphere and other manifolds. This also includes the possible consequences on the Theory of Computation from the point of view of Condition Number Analysis of the problems of Continuous Mathematics. Background in any of the related areas (Approximation Theory, Potential Theory, Numerical Analysis, Real Number Complexity, Random Matrix Theory, Mathematical Analysis) is desirable, but not mandatory. ➢ We expect that the candidate will be able to discuss freely and enjoy the scientific atmosphere of Analysis and Geometry groups of BCAM and the nearby Universidad de Cantabria, specifically with Carlos Beltran Álvarez (https://bit.ly/2WaVeB9) from Universidad de Cantabria and Luis Vega and Javier Fernández de Bobadilla from BCAM.

Application and Selection Process	
Formal Requirements:	The selected candidate must have applied before the application deadline online at the webpage http://www.bcamath.org/en/research/job The candidates that do not fulfil the mandatory requirements will not be evaluated with respect to their scientific profile.
Application:	Required documents: ▪ CV ▪ Letter of interest ▪ 2 recommendation letters ▪ Statement of past and proposed future research (2-3 pages)
Evaluation:	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, 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.

matematika mugaz bestalde

Incorporation:	**SEPTEMBER – DECEMBER 2019, 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.*

EUSKO JAURLARITZA
GOBIERNO VASCO

HEZKUNTZA SAILA
DEPARTAMENTO DE EDUCACIÓN

EXCELENCIA
SEVERO
OCHOA

matematika mugaz bestalde