PHD FELLOWSHIP IN COMPUTATIONAL MATHEMATICS

Company Description

BCAM is the research center on applied mathematics created with the support of the Basque Government and the University of the Basque Country, which aims to strengthen the Basque science and technology system, by performing interdisciplinary research in the frontiers of mathematics, talented scientists' training and attraction, so the excellence of our results are recognized by the Society.

Information

Deadline: 2020-01-08
Category: Business
Province: Bizkaia
Country: Basque Country
City: Bilbao

Company

BCAM

Main functions, requisites & benefits

Main functions

Geometric Modeling and Manufacturing The researcher will work on a research project in the framework of ADAM^2: Analysis, Design and Manufacturing, using Microstructures, funded by FET Open Project #862025. Possible research topics include, but are not limited to: simulations of 5-axis hybrid manufacturing, in particular 3D printing and 5-axis computer numerically controlled (CNC) machining, free-form surface rationalization, and tool-shape design and optimization. https://cordis.europa.eu/project/rcn/224935/factsheet/en

Requisites

The researcher will work on a research project in the framework of ADAM^2: Analysis, Design and Manufacturing, using Microstructures, funded by FET Open Project #862025. The Phd fellow will design and implement path planning algorithms for hybrid manufacturing, in particular 5-axis Computer Numerically Controlled (CNC) machining and 5-axis 3D printing. Previous experience in geometric modeling projects is particularly welcome. Promising young researchers. Applicants should have their MSc. completed before 31.12.2019. MSc. degree is required from mathematics, computer science or related area. Ability to effectively communicate and present research ideas. Previous experience in research projects is highly desirable. High level of spoken and written English. Good communication and interpersonal skills.