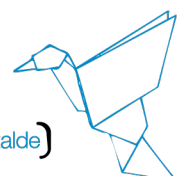


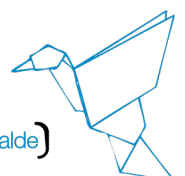
Computational Fluid Dynamics Research Technician – BCAM Knowledge Transfer Unit

Job Offer	
Topics:	<p>Computational Fluid Dynamics (CFD): Finite Volume Methods (FVM), Finite Element Methods (FEM) or Smoothed Particle Hydrodynamics (SPH). Numerical methods for solving compressible and incompressible flows and multi-phase simulations. Eulerian and Lagrangian fluid models, CFD applied to Advanced Manufacturing (Industry 4.0), Energy Sector or Biomedical sector.</p> <p>About BCAM Knowledge Transfer Unit: The aim of BCAM Knowledge Transfer Unit (KTU) is to develop mathematical solutions for scientific challenges based on real-life applications.</p> <p>One of BCAM's most important missions is to spread knowledge and technology in the industry and the society in general. It is critical for the Basque Center for Applied Mathematics to transfer the obtained research results to sectors as biosciences, health, energy, advanced manufacturing, telecommunications and transport, including local, national and international entities. For further information, please visit the website: http://www.bcamath.org/en/the-center/knowledge</p>
Salary and conditions:	<p>The gross annual salary will be 18.000 € - 26.000€.</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 from EUR 500 to EUR 1.000 gross.</p> <p><i>Free access to the Public Health System in Spain is provided to all employees.</i></p>
No Positions offered:	#1
Duration:	1-year contract (with possible extension)
Deadline:	21st June 2019, 14:00 CET (UTC+1)
How to apply:	Applications must be submitted on-line at: http://www.bcamath.org/en/research/job



Profile Requested	
Requirements:	<ul style="list-style-type: none"> • Master's degree in Engineering, Physics, Applied Mathematics, or related fields. • Strong background in CFD, numerical simulations and numerical methods for fluid dynamics applications. • Fluency in spoken and written Spanish and English.
Skills:	<ul style="list-style-type: none"> • Knowledge of advanced CFD methods and/or machine learning techniques. • Ability to analyse data, perform statistical analysis and interpret results. • Strong analytical and problem-solving skills. • Strong programming skills • Ability to read scientific publications and implement mathematical algorithms. • Good interpersonal skills. • Ability to effectively communicate and present research ideas to researchers and stakeholders with different backgrounds. • Demonstrated high level written and oral communication skills. • Demonstrated ability to work independently and as part of a collaborative research team.
Principal duties and responsibilities:	<ul style="list-style-type: none"> • Collaboration in knowledge transfer projects with industry and research entities. <ul style="list-style-type: none"> ◦ Elaborating interim and final analysis of research projects. ◦ Assisting and preparing presentations to stakeholders. ◦ Training. • Contribution to the preparation and production of publications and report.

Application and Selection Process	
Formal Requirements:	<p>The selected candidate must have applied before the application deadline online at the webpage http://www.bcamath.org/en/research/job</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"> ▪ CV ▪ Letter of interest ▪ 2 recommendation letters (desirable)
Evaluation:	<p>Based on the provided application documents of each candidate, the evaluation committee will evaluate</p>



qualitatively: the adaption of the previous training and career to the profile offered, the recommendation letters, the main results achieved (papers, proceedings, etc.), the letter of interest, and other merits; taking in account the alignment of these items to the job offered.

Incorporation:

Summer 2019 or as soon as possible thereafter.

