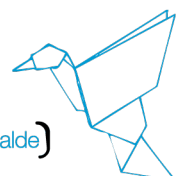


Postdoctoral Fellowship in CFD / Computational Technologies

Job Offer	
Topics:	The CFD Computational Technology (CFDCT) research line carries out research in adaptive finite element methods, automated High Performance Computing (HPC) open source software frameworks, specifically FEniCS (http://fenicsproject.org) and continuum model applications, primarily in turbulent flow and fluid-structure interaction (see http://youtube.com/ctlabtv for examples). The research environment is international and integrated with the Computational Technology Laboratory at KTH (http://ctl.csc.kth.se). The research is mainly funded by public research grants from the EU, Sweden, Spain and from PRACE for using the largest supercomputers in Europe.
PI in charge:	Johan Jansson
Salary and conditions:	The gross annual salary of the Fellowship is EUR 26.000 - 30.000. The corresponding annual net income after taxes, social security and medical coverage would be approximately EUR 20.700 - 23.300. There is a moving allowance for those researchers that come from a research institution outside the Basque Country up to EUR 1.000 gross.
No Positions offered:	# 1
Contract and offer:	2-year contract
Deadline:	June 20th 2014, 17:00 CET
How to apply:	Applications must be submitted on-line at: http://www.bcamath.org/en/research/job/

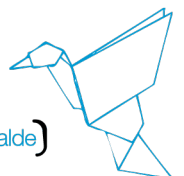
Scientific Profile Requested	
Requirements:	<ul style="list-style-type: none"> • Ability to demonstrate exceptional research accomplishments (or promise) • PhD degree (preferable in Mathematics or Computer Science) must have their PhD completed when the position starts.



	<ul style="list-style-type: none"> • Solid knowledge and experience of numerical methods for the solution of partial differential equations is a requirement, as well as software development for distributed memory architectures.
Skills and track-record:	<ul style="list-style-type: none"> • Good communication and interpersonal skills. • Ability to effectively communicate and present research ideas to researchers with different background (e.g., mathematicians and engineers). • Ability to clearly present and publish research outcomes in spoken (talks) and written (papers) form. • Good command of verbal and written English. • Programming knowledge in C++ and Python.
Scientific Profile:	<p>The preferred candidate will have:</p> <ul style="list-style-type: none"> - Research experience and interest in adaptive methods for PDE or high-performance scientific computing, - Knowledge of the finite element method and MPI or similar distributed programming models.

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> <p>Please remember to select up to two applications in our Call for postdoc positions IC_2014-Spring Postdoc, otherwise the application will be automatically rejected.</p>
Application:	<p>Required documents:</p> <ul style="list-style-type: none"> ▪ CV ▪ Letter of interest, including your research interest. ▪ 2 recommendation letters ▪ Statement of past and proposed future research (2-3 pages)
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, the main results achieved (papers, proceedings, etc.), the statement of past and proposed future</p>



	research and other merits; taking in account the alignment of these items to the topic offered.
Incorporation:	SEPTEMBER 2014 or as soon as possible thereafter.

