**JOB OFFER** | CFD combustion software development researcher
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**COMPANY** | E&M Combustión ([www.emcombustion.es](http://www.emcombustion.es))
**TYPE OF CONTRACT** | The project will be developed for several years with a real chance to remain in the company in a relevance strategic position.
**SALARY** | To be determined, depending on the experience and capabilities.
**LOCATION** | Bilbao and Barcelona
**APPLICATIONS** | A/At. Mónica de Mier ([monica.demier@bsc.es](mailto:monica.demier@bsc.es))
**DEADLINE** | April 22th, 2016

**JOB DESCRIPTION**
The company E & M Combustion needs to develop a program in order to model the combustion in the industrial burners that it manufactures. The aim of the project is to have a tool that allows the company to developes the product in a much more agile and reliable way.

Moreover, the BSC-Barcelona Supercomputing Center has an advanced software tool to simulate combustion accurately. The aim would be to adapt this tool to the needs and business applications in order to understand the behavior of flames in boilers or heat generators, to optimize this behavior and to minimize the levels of emissions (such as particles NOx).

The person who joins the position will initially perform a formative stage in BSC and subsequently would be transferred to the company to carry out the implementation and customization of the software.

**REQUIRED QUALIFICATIONS AND SKILLS**
Degree in Mathematics, Physics and Engineering. Skilled in the field of modeling and programming in computational fluid dynamics. With programming in Fortran and MPI on Linux environment.

**VALUABLE**
PhD degree.