



**University of Beira Interior**

**Center for Aerospace Sciences and Technology**

**Call for Expressions of Interest from candidates to  
Ph.D. Studentships and Post-Doc Positions**

**(candidates from: Mechanical Engineering, Aeronautical Engineering, Applied Physics and Mathematics)**

The CAST-Center for Aerospace Sciences and Technology at University of Beira Interior, in Portugal, is preparing to recruit several junior researchers (able to pursue Ph.D studies within the project group) and one research associate (at Post-doctoral level). They will perform research work within the framework of a *3 year* major European research contract, involving 12 worldwide major institutions from academia and industry (<http://projectmaat.org/>). The work at CAST will mainly involve computational fluid dynamics (CFD) for diverse propulsion systems alternatives.

The positions are available to qualified students in the area of Mechanical Engineering, Aeronautical Engineering, Applied Physics and Mathematics. The work involves the use of Open Source CFD codes, such as OpenFOAM. Experience with commercial codes (Fluent, CFX,..) and knowledge of C/C++ is an advantage. The work will also include the use of parallel processing, within the High Performance Computing facilities of CAST, to solve the complex problems under study.

International candidates are welcome. You should hold a degree (or be expecting the imminent award of one) that qualifies you to pursue Ph.D. Studies, for the junior research positions, and hold a Ph.D. in CFD with knowledge of turbulence modelling for the Post-Doc position. The contract work will start in next September and will last for 3 years. The grants will follow the established values of the Portuguese Foundation for Science and Technology (<http://alfa.fct.mctes.pt/apoios/bolsas/valores.phtml.en>), typically and at present time 980€/month for Ph.D. Studentships and 1495€/month for Post-Doc's. Informal enquiries, providing more detailed information, may be immediately made to: Prof. Dr. José C. Páscoa ([pascoa@ubi.pt](mailto:pascoa@ubi.pt)), Dep. Eng. Electromecânica, Centre for Aerospace Sciences and Technology, Engineering Faculty, University of Beira Interior, 6200-Covilhã, Portugal.