

## Research Positions Available

(M/F)

### Underwater acoustic transient detection and identification

Applications are invited for one research position that will become available during the first trimester of 2016 in the Signal Processing Laboratory (SiPLAB) at the Center of Technological Research of Algarve (CINTAL), University of Algarve, Faro, Portugal, under the SUBECO project ([www.siplab.fct.ualg.pt/proj/subeco.shtml](http://www.siplab.fct.ualg.pt/proj/subeco.shtml)). SiPLAB is a leading university laboratory in underwater acoustic signal processing, including prototype equipment development, source localization, sonar, model-based inversion algorithms and underwater acoustic communications (see details in [www.siplab.fct.ualg.pt](http://www.siplab.fct.ualg.pt)).

The successful candidate will carry research in the scope of the Portuguese Ministry of Defense-funded SUBECO project, whose main objective is to conceive, develop and install at sea a new platform for the acoustic surveillance of the Portuguese coast. The role of the candidate will encompass the design, development and test on real data of algorithms for detection of acoustic transients. Duties will involve algorithm integration with those developed by other project partners namely with partner Marsensing in charge of developing the acoustic sensing hardware platform.

Applicants must hold a Master degree in electrical or computer science engineering or equivalent, with strong emphasis on processing of transient signals, as well as good programming skills. He/she should be fluent in written and spoken English. Mandatory qualifications: experience in signal processing tools and underwater acoustics. Desirable qualifications: array processing and algorithm integration. The work carried out under this fellowship may be used as the material for a PhD dissertation. The successful applicant will be given a six month duration contract, renewable every six month, up to the end of the task carried out by CINTAL under the SUBECO project.

The monthly net allowance will be 980 Euro, plus social security coverage and work accident insurance. CINTAL research positions are subject to fellowship regulations (see [www.cintal.ualg.pt/](http://www.cintal.ualg.pt/) for more information). A security clearance may apply to this position.

Qualified candidates may apply sending *Curriculum Vitae* and cover letter explaining how their experience and qualifications may fit to the requirements. Applications must be submitted either by ordinary mail addressed to *CINTAL - Centro de Investigação Tecnológica do Algarve, Att: Sérgio M. Jesus, Universidade do Algarve, Campus de Gambelas, 8005-139 Faro* or electronically to [scintal@ualg.pt](mailto:scintal@ualg.pt).

**Deadline for application: March 31<sup>th</sup>, 2016** (applications received after the deadline may be considered until the position is filled).