

## Research Fellowship (M/F)

### Underwater Acoustic Signal Processing

Applications are invited for a fellowship that will become available during the fourth trimester of 2010 in the Signal Processing Laboratory (SiPLAB), at the Center of Technological Research (CINTAL), University of Algarve, Faro, Portugal, under the Wave Energy Acoustic Monitoring (WEAM) project (FCT contract PTDC/ENR/70452/2006). SiPLAB is one of the European leading university laboratories in underwater acoustic signal processing, including prototype equipment development, source localization and sonar, model-based inversion methods and underwater communications (see details in [www.siplab.fct.ualg.pt](http://www.siplab.fct.ualg.pt)).

The successful candidate will assist in tasks to be carried out within the scope of the WEAM project, whose main objective is to develop, implement and test a strategy for monitoring the underwater acoustic noise produced in farms of wave energy converters. The work performed under this fellowship will focus on the analysis of field calibration acoustic data acquired during the WEAM'10 sea trial in order to estimate the noise generated by a single or a farm of wave energy converters.

Applicants must have a MSc or Phd degree in electrical engineering, physics, or applied mathematics with a strong emphasis on signal processing, as well as good programming skills in MATLAB and C/C++. He/she should be fluent in written and spoken English. The successful applicant will be given a six month duration contract. Depending on candidate level the net monthly allowance will be 980 or 1495 EUR plus an accident insurance and a social security scheme, at MSc or Phd level, respectively. Travel expenses will be reimbursed for candidates resident outside Portugal. CINTAL research positions are subject to fellowship regulation (see [www.ualg.pt/cintal/](http://www.ualg.pt/cintal/) for more information).

Qualified candidates may apply sending their *Curriculum Vitae* together with a 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, A/C Paulo Felisberto, Universidade do Algarve, Campus de Gambelas, 8005-139 Faro, or electronically to: [scintal@ualg.pt](mailto:scintal@ualg.pt).

**Deadline for applications:** August 25, 2010 (applications received after the deadline may be considered until the position is filled).