

Research Position Available

(M/F)

Acoustic noise in deep ocean observatories

Applications are invited for a research position that will become available during the second semester of 2017 in the Signal Processing Laboratory (SiPLAB) at the Center of Technological Research (CINTAL), University of Algarve, Faro, Portugal, under the H2020 European Union-funded, EMSO Implementation and Development of Instrumentation Module (EMSODEV) project. SiPLAB is a leading university laboratory in underwater acoustic signal processing, including prototype equipment development, source localization and sonar, model-based inversion algorithms and underwater communications (see details in www.siplab.fct.ualg.pt).

The successful candidate will develop research in the scope of the EMSODEV project, whose main objective is to develop an instrument for deep sea ocean observation. This instrument contains, among others an acoustic sensor whose requirements, configuration and data analysis fall under the tasks of CINTAL. The role of the candidate will encompass: (1) the development and test of an event detector for automatic acoustic data analysis and (2) the test of the software on real data acquired on actual ocean observatory installations.

Applicants must hold at least an MSc degree in electrical engineering, computer science, applied mathematics or physics with emphasis on ocean acoustics and/or acoustic signal processing, as well as good programming skills, good interpersonal communication and/or good individual absorptive capacity skills. He/she should be fluent in written and spoken English. Mandatory qualifications: experience in signal processing and underwater acoustics. Desirable qualifications: experience in ocean acoustic propagation modeling. The successful applicant will be given a six month duration contract, renewable every six month, up to the end of the project.

The monthly net allowance will be 1.250 Euro, plus social security coverage and work accident insurance. This amount is net of taxes. Travel expenses incurred by the candidate to and from country of origin if leaving abroad from Portugal at the time of hiring will be reimbursed upon completion of at least a successful six month period. CINTAL research positions are subject to fellowship regulations (see www.cintal.ualg.pt/ for more information).

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.

Deadline for application: August 15, 2017 (applications received after the deadline may be considered until the position is filled).