

Research Position Available

(M/F)

Deep water communications for robotics

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, Strengthening Maritime Technology Research Center (STRONGMAR) 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 STRONGMAR project, whose main objective is to create solid and productive links in the global field of marine science and technology between the STRONGMAR consortium and other leading research European institutions. The role of the candidate will encompass: (1) the extension of the SiPLAB know how in shallow water communications and networks to the deep water scenario, envisaging the command, control and data gathering of robotic platforms and (2) the dissemination of such know how among the stakeholders, envisaging industrial and scientific consortia for project applications.

Applicants must hold at least a MsC degree in electrical engineering, computer science, applied mathematics or physics with emphasis on underwater communications 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 engineering in general and in signal and information processing in particular. Desirable qualifications: experience in underwater acoustics, communications, networks, ocean acoustic propagation modeling and/or management activities in European research projects. 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 1.000 – 2.000 Euro, depending on experience, plus social security coverage and work accident insurance. 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: May 15st, 2017 (applications received after the deadline may be considered until the position is filled).