

Research Position Available (M/F)

Underwater Vector Sensor Arrays

Applications are invited for a research position that will become available during the third trimester of 2011 in the Signal Processing Laboratory (SiPLAB) at the Center of Technological Research (CINTAL), University of Algarve, Faro, Portugal, under the project *A Vector Sensor Based System for Ocean Exploration (SENSOCEAN)* funded by National Funds (PIDDAC) through FCT- Foundation for Science and Technology under project SENSOCEAN (PTDC/EEA-ELC/104561/2008).

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 algorithms and underwater communications (see details in www.siplab.fct.ualg.pt).

The successful candidate will join a group of researchers currently working in the development of light system for geoacoustic inversion based on vector sensor arrays. The main task of the candidate is to develop research on vector sensor array system design and respective signal processing methods for acoustic inversion.

Applicants must have a MsC or a PhD in underwater acoustics (or close related field), with a strong emphasis on signal processing, inversion methods, as well as good programming skills in MATLAB and C/C++. He/she should be fluent in written and spoken English. Mandatory qualifications: experience in signal processing and underwater acoustics. Desirable qualifications: experience in vector sensors and array processing.

The successful applicant will be given a contract of six month renewable once, up to 12 months. Renew after that period is possible depending on project evaluation. The monthly net allowance (free of tax) will be 980 Euros (1495 Euros for PhD holder) and include 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. CINTAL research positions are subject to Fellowship Regulation. For further information please contact Prof. Paulo Felisberto (pfelis@ualg.pt) or visit CINTAL web site (www.cintal.ualg.pt).

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 electronically to scintal@ualg.pt.

Deadline for applications: June 15, 2011.

