

Research Position Available (M/F)

Underwater Acoustic Communications

Applications are invited for a research position that will become available during the third trimester of 2009 in the Signal Processing Laboratory (SiPLAB) at the Center of Technological Research (CINTAL), University of Algarve, Faro, Portugal, under the Underwater Acoustic Network (UAN) project. 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 lead research carried out in the scope of the European Union-funded UAN project (reference FP7-225669), whose main objective is to develop methodologies and operational technologies for the implementation of underwater acoustic communication networks to be integrated as a component of a multi-media network for the surveillance and monitoring of critical at sea infrastructures.

Applicants must have a PhD in electrical engineering, applied mathematics or physics with a strong emphasis on signal processing and/or digital communications, 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 communications, array processing, image processing and/or ocean acoustic propagation modelling. The successful applicant will be given a six month duration contract, renewable every six months, up to a total maximum of 24 months.

The monthly net allowance will be 2.500 Euro 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. CINTAL research positions are subject to fellowship regulations (see 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 António Silva, Universidade do Algarve, Campus de Gambelas, 8005-139 Faro* or electronically to scintal@ualg.pt.

Deadline for applications: from May 1 to June 1, 2009 (applications received after the deadline may be considered until the position is filled).