Senior Research Associate in Physical Oceanography (RA1405)

Vacancy Details

Summary	
Location:	ENV - Sch of Environmental Sciences
Job Type:	Full-Time
Category:	Research & Analogous (RA)
Closing Date:	06/09/2017
Date Posted:	05/08/2017
Reference:	RA1405

Description Faculty of Science School of Environmental Sciences

Senior Research Associate in Physical Oceanography - Ref: RA1405

£32,004 - £38,183 per annum

Applications are invited for the post of Senior Research Associate to undertake research in the physical oceanographic processes on the continental shelf and slope of Antarctica. The SRA will work with Professor Karen Heywood on the European Research Council funded COMPASS project.

Processes on the Antarctic continental shelf and slope are crucially important for determining the rate of future sea level rise, setting the properties and volume of dense bottom water exported globally, and regulating the carbon cycle. Yet our ability to model and predict these processes over future decades remains rudimentary. This deficiency in understanding originates in a lack of observations in this inaccessible region. COMPASS seeks to rectify that by exploiting new technology - autonomous marine vehicles called gliders - to observe, quantify and elucidate processes on the continental shelf and slope of Antarctica that are important for climate.

The SRA will participate in the design and delivery of glider campaigns in the Weddell, Ross and Amundsen Seas. They will analyse the resulting observations and compare these with theory and numerical model output. This will include analysis of turbulent mixing processes (working with Dr Rob Hall). They will lead publications to publish the results in international peer reviewed journals.

The research will be based within the Centre for Ocean and Atmospheric Sciences (COAS) at UEA.

Essential requirements for the post include a PhD in physical oceanography and a publication record showing evidence of international quality. You should have excellent oral and written communication skills, with experience of presenting results at conferences. You should be able to meet the essential criteria set out in the Person Specification.

The SRA will be expected to participate in observational oceanographic campaigns in the Antarctic.

This full time post is available from 1 September 2017, or as soon as possible thereafter, for a fixed term of 5 years or until 31 August 2022.

Closing date: 12 midnight on 9 June 2017.

The University is a Bronze Athena Swan Award holder, currently working towards Silver