



**University of Wales, Aberystwyth**

**Department:** Institute of Mathematical and Physical Sciences

**Post Title:** Post Doctoral Research Associate in Planetary Exploration

**Salary:** Research and Analogous Staff Grade 1A - £20,852 - £31,211

**Closing Date:** 4<sup>th</sup> May 2007 **Ref:** MP/07/04

**Post Description:**

Applications are invited for a post doctoral research associate to support the programme led by Prof M. Grande, Head of Solar System Physics and Dr D. P. Barnes, Head of Space and Planetary Robotics. The successful candidate will join the Solar System Physics Group in the Institute of Mathematical and Physical Sciences at the University of Wales, Aberystwyth. He or she will work in the area of Planetary Exploration as part of the ESA Aurora Programme. It is expected that the successful candidate will focus on key areas such as autonomous robotic planetary exploration, stereo image data processing, and simulation and visualisation methods for real-time analysis of complex systems. A particular target will be the development of an autonomous capability for scientific sample acquisition, making use of the new Planetary Analogue Terrain Laboratory (Mars Yard). The post is for 3 years in the first instance and is funded by the UK Particle Physics and Astronomy Research Council.

**Personal Specification:**

The successful candidate will have recently successfully completed a PhD in Physics, Engineering or Computer Science and will have demonstrated the ability to publish in international journals in relevant areas. Experience in commissioning experimental hardware and software systems would be an advantage.

For further information interested candidates should contact Professor Manuel Grande ([mng@aber.ac.uk](mailto:mng@aber.ac.uk)), tel 44(0)1970 622624 fax 44(0)1970 622826, and or Dr David Barnes ([dpb@aber.ac.uk](mailto:dpb@aber.ac.uk)) , tel 44(0) 1970 621561 fax 44(0)1970 622455.

Details of research activity in IMAPS can be found under: <http://www.aber.ac.uk/maps/en/> and Computer Science under: <http://www.aber.ac.uk/compsci/public/>

Application forms are obtainable from [http://www.aber.ac.uk/human-resources/forms/application\\_form\\_and\\_equal\\_ops\\_20.10.04.doc](http://www.aber.ac.uk/human-resources/forms/application_form_and_equal_ops_20.10.04.doc) and should be returned to Human Resources, The University of Wales Aberystwyth, Old College, King Street, Aberystwyth, Ceredigion SY23 2AX by Friday 4<sup>th</sup> May 2007. Human Resources can be contacted through [personnel@aber.ac.uk](mailto:personnel@aber.ac.uk), tel 44(0)1970 621586, Fax 44(0)1970 622975.