Dear Colleagues,

I'd appreciate it if you would forward this advert onto colleagues who may be interested in working on Saturn's internal field linked to the Cassini end of mission science.

Best regards
Michele

Research Associate in Planetary Physics
Space & Atmospheric Physics Group, Department of Physics
Imperial College London

Salary £33,860 - £42,830 per annum
Closing Date: 17th February 2016
Fixed Term 3 years commencing from 1st April 2016

We are seeking a highly motivated researcher for a position for up to 3 years, commencing from 1st April 2016. This position will be based within the Space and Atmospheric Physics Group to work with Professors Michele Dougherty and David Southwood. The work is linked to the end of mission science for the Cassini magnetometer instrument, focusing on understanding Saturn's internal and external magnetic field with particular emphasis on the data to come from the low altitude flybys in the final phase the mission. The work will involve data analysis of magnetic field measurements, theoretical interpretation (some knowledge of MHD and dynamo theory) and modelling in order to achieve the science goals. The post holder will be expected to contribute to the Department's teaching activities up to approximately half a day per week during the academic year, as appropriate.

A PhD or an equivalent level of professional qualifications and experience in physics or a closely related area, together with experience in at least one or preferably two or more of: space or planetary physics; dynamo theory and planetary interiors; time series data analysis; generalised inversion techniques is essential.

You must have an enthusiastic approach to research, with strong written communication skills and the ability to write clearly and succinctly for scientific publications. Excellent verbal communication skills, the ability to deal with a wide range of people and to interact successfully with others to learn and teach new skills are essential. A flexible attitude towards work, as well as being open-minded and cooperative are must haves. The ability to develop and apply new concepts, techniques and methods, as well as a creative approach to problem solving, and the ability to work independently and show initiative, are also essential. Experience in data analysis, modelling, theoretical work would be an advantage.

Committed to equality and valuing diversity. We are also an Athena SWAN Silver Award winner, a Stonewall Diversity Champion, a Two Ticks Employer and are working in partnership with GIRES to promote respect for trans people. The Department of Physics is also an IoP JUNO Champion and an Athena Silver SWAN Award winner.

For more information contact Michele Dougherty (m.dougherty@imperial.ac.uk <mailto:m.dougherty@imperial.ac.uk>) . To apply, follow the link in the online advert at: http://www.jobs.ac.uk/job/AMU365/research-associate-in-planetary-physics/ <http://www.jobs.ac.uk/job/AMU365/research-associate-in-planetary-physics/>

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