Post-doctoral position in geophysical data integration

A position as a post-doctoral researcher is available at the Dublin Institute for Advanced Studies (DIAS). The research project is aimed at developing inversion strategies to combine complementary geophysical datasets. Recently, new, large, complementary geophysical datasets have emerged that will allow the determination of the compositional and thermal structure of Ireland’s crust and lithosphere: an island-wide 3-D electrical conductivity structure of the lower crust and uppermost mantle are imaged using both legacy and newly acquired long-period magnetotelluric data, and seismic wave tomography images of the crust and upper mantle beneath Ireland are built from the abundant broadband seismic data over the past decade. The main focus of the post-doc will be on implementing an inversion approach to integrate these electrical conductivity and velocity datasets including potential field data.

The successful candidate will be part of the Electromagnetic Research group working with Dr Duygu Kiyan and will be in close collaboration with the Seismology groups at DIAS.

The mandatory requirements for the position are listed below:

- Holding a PhD in Geophysics or a closely relative field
- Experience working with modelling and inversion methods in geophysics
- Demonstrable experience in computer programming for scientific applications

The position is available until December 2020 inclusive, with the preferred start date of October 1st, 2019. The gross salary will be €38,860. Deadline for applications is September 12th. Potential candidates are required to send a cover letter outlining their research interests, motivation and suitability for the position and a full CV with contact details of two referees via e-mail to geo_recruitment@cp.dias.ie using the subject line “Postdoc Application”. For additional information on the project or working at DIAS please contact Duygu Kiyan (duygu@cp.dias.ie). DIAS is an Equal Opportunities Employer.

*This project is part of the Irish Centre for Research in Applied Geoscience, funded under the SFI Research Centres Programme and is co-funded under the European Regional Development Fund.*