

## **Openings in The Earth Sciences Model Building Program** *Description for Candidates*

WesternGeco GeoSolutions, a division of Schlumberger, is inviting applications for several positions in the area of applying Geosciences technologies to describe subsurface Earth properties to assist our clients in the Oil and Gas Exploration and Production Sector. The goal is to develop, test and apply best in class workflows and technologies and become recognized leaders in the industry in Earth Model Building capabilities, including but not limited to, advanced full waveform inversion techniques. Thus, the principal emphasis is to understand subsurface processes relevant to hydrocarbon exploration and exploitation, including wave propagation in heterogeneous media, depth imaging, velocity modeling in complex media including anisotropy, inversion and scattering of waves from heterogeneous and porous rocks, poroelasticity, and rock physics.

The successful candidate will spend one year in the Full Waveform Inversion Center of Excellence (FWI COE) and one year in the Earth Model Building Center of Excellence (EMB COE), based in Houston, gaining practical experience by working on advanced imaging and earth model building projects. During this time he/she will be involved in daily operations of the COE projects including execution of commercial projects, client communication and project management.

After the initial two year on-the-job training period, the candidate will be transferred to one of the operating regions of WesternGeco to work in earth model building /full waveform inversion related businesses. The candidate will be required to accept the specific international posting at the point of hire. [WesternGeco has regional offices in areas such as North America (NAM), Latin America (LAM), Asia and Australia (ASA), Middle East and North Africa (MENA), and Europe and Africa (EAF)]. In the regions, he/she will ensure that all projects are performed at the highest technical standards and to the satisfaction of the clients.

The successful candidate must have a Master of Science or PhD in Physics, Geophysics, Geology and Mathematics; (-although preference will be given to PhD and post-doctoral fellows, who have demonstrated a strong record of independent research and publications in peer-reviewed journals.) He/she should have good interpersonal and communication skills. The application material should include a cover letter, a resume, a publication list of significant papers as well as names and contact information of two to three references.

Online applications are encouraged via: <http://careers.slb.com/>. For specific technical details of the job, questions can be addressed to [Chuck Peng at cpeng2@slb.com](mailto:cpeng2@slb.com) and for non-technical details, [Aburaev@slb.com](mailto:Aburaev@slb.com).

WesternGeco is an affirmative action / equal opportunity employer.