Earth Scientist (Satellite Remote Sensing) Position

Position: Earth Scientist (Satellite Remote Sensing)
Term: 1 year fixed-term contract | Casual | Project specific
Location: Melbourne or Hobart (Tasmania). Options for flexible working location
Start: First quater of 2019. Start date to be determined and negotiable
Salary: 70k to 90k (+ super), pending experience and skill set

Position Description

Office of Other Spaces (OOS) seeks Earth Scientists with expertise in satellite remote sensing. We are looking to build our team in 2019, increasing our capacity to deliver project specific work with a one year fixed term contract, casual contracts and project contracts on offer.

In particular, we are seeking experience with ESA's Sentinel-2 platforms or similar (e.g. Landsat, PlanetLabs, WorldView) will be highly regarded. Ability to manage and analyse large data sets will be highly regarded. Strong verbal and written communication skills are essential as the position will require presenting scientific analyses, writing technical reports, documenting code and publishing scientific papers. Experience using GIS software (QGIS, ArcGIS, SNAP) and writing scientific code (preferably in Python) will be an advantage. Experience/understanding of machine learning algorithms is desired. Experience with fractional vegetation cover, and biophysical variables will be looked favourably on. Ability to work for intense periods in a team will also be looked favourably on.

Key responsibilities and Duties

> Managing, filing and analysing large data sets including Copernicus Level-1C products and Level-2A products
> Conduct analyses of satellite data (e.g. time-series analysis, supervised/unsupervised classification analysis, remote sensing retrieval algorithm implementation)
> Work within QGIS for data fusion including but not limited to mesh blocks & satellite analysis
> Be proficient with code in Python for the purposes of scientific analysis and optimising existing processes
> Write technical reports, publish scientific papers and code documentation
> Present scientific analyses to OOS colleagues, government, industry and universities
> Collaborate with artists, designers and various disciplines
> Attend international and national conferences
> Conduct field studies to ground-truth and develop satellite-based retrieval algorithms

Skills and experience required

> PhD in quantitative discipline such as Atmosphere & Ocean Science, Geoscience, Geographic Information Systems or similar
> Proficiency in a scientific computing language (e.g. Python, C++, MATLAB, Fortran, IDL)

Selection Criteria

> Experience working with satellite data (e.g. Sentinel-2, Landsat, Planet, WorldView)
> Ability to organise and analyse large, complex geospatial datasets
> Experience writing code and developing algorithms for use with satellite data
> Experience working with industry and government is proffered
> Ability to communicate science (e.g. radio, blogs, publication record, conference presentations etc)

About the business

Office of Other Spaces is an organisation dedicated to achieving harmony between humans and nature by delivering projects which fuse the disciplines of landscape architecture and remote sensing – connecting planet and place. We work fast and furiously, looking to innovate and optimise where ever we can, whilst also doing it beautifully.

We have a strong body of work behind us innovating in EO and city design, working with artists, local government and state government. As a growing organisation we're looking to appoint like minded individuals who care for nature, are experts in earth observations, bring a different perspective and are focused on using technology to make change in how we inhabit this planet.

Applications Format:

Please provide a cover letter and CV addressing the Key Responsibilities and Selection Criteria.

Applications Close:

Sunday 03rd February 2019

Contact:

All applications and enquires are to be made to info@officeofotherspaces.com