

Year in Industry Placement Opportunity 2018-19



Organisation's Contact Details:

ARGANS Limited
Plymouth Science Park
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Plymouth
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01752 764298

Name and Job Title of Main Contact:

Lorraine Sanders, HR Manager

Organisation's main activity:

ARGANS specializes in satellite-based Earth Observation (EO), remote-sensing applications and services and geographical information systems used to map and monitor the marine, atmosphere and terrestrial environments.

A significant number of our current projects involve working with the European Space Agency and the European Commission, these include;

- Sentinel 2 & 3 Mission – providing mission performance quality assurance and expert scientific support to calibration and validation activities.
- SMOS Mission – leading a multi-national expert support team tasked with the ongoing maintenance of the Level 2 Ocean Salinity processor.
- Sen2Coral – developing processing modules aimed at utilizing Sentinel-2 data to detect change and monitor the ongoing health of coral reefs, determination of charted depths by using open source radiance inversion algorithms, Satellite Derived Bathymetry (SDB).
- DIMITRI – development and maintenance of a database and tool used to assist inter-comparison and inter-calibration of satellite imagery, including Sentinel-2 and 3 and Landsat-8 data. Calibration and validation of images used in SDB.
- CoReSyf – development of an online platform to support research applications that use EO data for coastal water monitoring.
- RESMALI – Analysis and assessment of technologies for marine litter detection from space.

Further details are available on our website <https://argans.co.uk>

Brief Job Description – duties and responsibilities:

We would like to offer an enthusiastic and hardworking student the opportunity to work with and gain valuable experience in the field of earth observation and remote sensing.

This is a junior support position, so if you have, or are working towards, a BSc in Remote Sensing, Oceanography, Hydrography, Geography or other related field, have a high level of computer literacy and wish to develop your knowledge and skills in this field, we would love to hear from you! We also welcome applications from candidates with relevant postgraduate qualifications.

The successful candidate will provide scientific and technical support to our team of scientists and may involve:

- Data Processing and Analysis
- Image Processing
- Database Management
- Data quality control of satellite data
- Calibration & validation activities
- Software Development

We shall agree a project for completion during your work with ARGANS, once the nature of your BSc and interests are known. We will endeavour to develop your knowledge and experience across each of our unique projects therefore some of the above tasks will form part of your role in addition to the project you undertake.

Salary:

£15,000 gross per annum

Application Procedure:

Contact Lorraine Sanders at admin@argans.co.uk to request a Placement Application Form.

Closing Date for applications:

11th April 2018

Proposed Interview Date

w.c 23rd April 2018