UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Assistant in Clastic Sedimentology Database Development, School of Earth and Environment, Faculty of Environment

Salary: Grade 6 (£27,025 – £32,236 p.a. pro rata)

Reference: ENVEE1349

Closing date: 29 July 2019

Fixed-term for 12 months

Part Time – 80% of the full time equivalent

This post is open to job share and flexible working

Research Assistant in Clastic Sedimentology Database Development, School of Earth and Environment, Faculty of Environment

Are you an enthusiastic individual with excellent research skills? We are looking to appoint a Research Assistant in Clastic Sedimentology Database Development to support the development of a relational database of deep-marine sedimentary architecture.

Working in the Turbidites Research Group (TRG), you will be responsible for uploading information derived from the peer-reviewed literature and from independent research studies into the Deep Marine Architecture Knowledge Store (DMAKS), a relational database designed to host information on deep-marine clastic systems. You will be required to read widely across the relevant peer-reviewed literature, to become familiar with the DMAKS database standard, and to upload information from the literature into DMAKS to a reliably high standard. You will work as valued member within a team of 30+ sedimentologists seeking to build a new generation of quantitative sedimentological (facies) models that can be used to investigate sedimentary system response to environmental change and to predict lithological variability within the subsurface.

With a degree in Earth Sciences, you will have a documented ability to process large volumes of clastic sedimentology data. You will have excellent administrative, communication and organisational skills. You will have an independent and proactive approach to decision making and exceptional attention to detail. Experience of working on deep marine clastic systems, a PhD in clastic sedimentology and database experience would be advantageous.

What does the role entail?

As a Research Assistant, your main duties will include:

- Developing a working familiarity with the deep-marine clastic literature;
- Working with TRG group members to identify candidate studies that are suitable to be uploaded into the literature;



- Preparing tabulated data and information for upload into the relevant databases; this will include architectural-element dimensions, constituent facies and spatial relations with other elements; in addition information regarding the hierarchical organisation of documented elements and associated boundary conditions of deposition will be recorded;
- In collaboration with TRG colleagues, interrogating the database to demonstrate its utility in characterising the range of styles in which deep-marine clastic systems may develop;
- Participating in the research group and presenting database output where appropriate;
- Working both independently and as part of a larger team of researchers and stakeholder;
- Contributing to the research culture of the School, where appropriate;
- Continually updating your knowledge, understanding and skills in the research field.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Research Assistant you will have:

- A degree in Earth Sciences (e.g. Geology);
- A documented track record of detailed and meticulous handling of high volumes of data derived from clastic sedimentary systems;
- A flexible and pro-active approach to work with exceptional attention to detail, excellent organisation skills and the ability to prioritise workloads and meet tight deadlines;
- Strong analytical skills, with the ability to search and collate information, effectively synthesise and summarise data and research outputs and communicate this effectively in various written formats;
- Proven ability to work well both independently and as part of a team;
- An independent and proactive approach to decision making;
- Excellent computer skills, including knowledge of Microsoft Office (Word, Outlook, Excel, Access and PowerPoint), knowledge of graphical design



software (e.g. Adobe Illustrator and Photoshop or CorelDraw), knowledge of software for navigating and collating information from the internet.

You may also have:

- Familiarity with working with deep-marine clastic systems;
- PhD in Clastic Sedimentology;
- Database experience.

How to apply

You can apply for this role online; more guidance can be found on our How to Apply information. Applications should be submitted by **23.59** (UK time) on the advertised closing date

Contact information

To explore the post further or for any queries you may have, please contact:

Bill McCaffrey, Professor of Clastic Sedimentology
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Email: w.d.mccaffrey@leeds.ac.uk

Additional information

Find out more about the Turbidites Research Group

Find out more about the Faculty of Environment.

Find out more about our School.

Find out more about Athena Swan in the Faculty.

Working at Leeds
You can find out more about our generous benefits package and more about what it is like to work at the University and live in the Leeds area in our Working at Leeds information page.

Candidates with disabilities
Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found in our Accessibility information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974
A criminal record check is not required for this position, however, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our Criminal Records information page.