



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Assistant in Marine Clastic Sedimentology, Faculty of Environment



Salary: Grade 6 (£26,495 – £31,604 p.a.)

Reference: ENVEE1191

Closing date: 17 October 2017

Fixed-term for 12 months (external funding)

Research Assistant in Marine Clastic Sedimentology

School of Earth and Environment, Faculty of Environment

Are you an early career researcher looking for your first challenge? Would you like to support the development of relational databases of deep and shallow marine sedimentary architecture?

Working in the Shallow-Marine Research Group (SMRG) and [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) and the Shallow Marine Architecture Knowledge Store (SMAKS). DMAKS and SMAKS are two relational databases designed to host information on deep and shallow marine clastic systems, developed both as research tools for academic studies and as catalogues of geological analogues to clastic hydrocarbon reservoirs for industrial application. You will be required to read widely across the relevant peer-reviewed literature, to become familiar with the database standards, and to upload information from the literature into DMAKS and SMAKS to a reliably high standard.

You will have a Master's degree in Earth Sciences, strong numerical and analytical skills with the ability to search and collate information, and effectively synthesise and summarise research outputs. You will have excellent communication and organisational skills and the ability to work both independently and as part of a team. Experience of deep and shallow marine clastic systems 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 scientific literature on marine clastic sedimentology;
- Working with TRG/SMRG group members to identify candidate studies that are suitable to be uploaded into the database;
- Processing and/or uploading selected datasets into the DMAKS and SMAKS databases, to 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/SMRG colleagues, interrogating the databases to demonstrate their utility in characterising the range of styles in which marine clastics systems may develop;
- Participating in the research groups and presenting research output where appropriate;
- 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 Master's degree in Earth Sciences;
- A proven ability to work well both independently and as part of a team;
- A flexible and pro-active approach to work and excellent organisation skills with the ability to prioritise workloads and meet tight deadlines;
- Excellent accuracy and attention to detail;
- Excellent communication and interpersonal skills;
- Strong numerical and 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;
- An independent and proactive approach to decision making;
- Excellent computer skills and knowledge of Microsoft Word Outlook, Excel, Access and PowerPoint and the Web.

You may also have:

- Familiarity with working with deep and shallow marine clastic systems;
- 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:

Professor Bill McCaffrey, Professor of Clastic Sedimentology

Tel: +44 (0)113 343 6625

Email: W.D.McCaffrey@leeds.ac.uk

Additional information

Find out more about the [Turbidites Research Group \(TRG\)](#)

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.

