



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Digital Research Engineer in Digital Dentistry, Faculty of Medicine and Health



**Salary: Grade 7 (£33,707– £40,322 p.a.)**

**Reference: MHDEN1164**

**Closing date: 26 December 2019**

**Fixed-term for 12 months**

# Digital Research Engineer in Digital Dentistry

## School of Dentistry

**Are you a skilled, dentally qualified researcher with a track record in bridging the gap between digital engineering and clinical dentistry? Do you enjoy working with a range of digital technologies and systems? Are you interested in supporting the delivery of an exciting new suite of digital dental technologies?**

As a Digital Research Engineer within the Digital Dentistry group you will be responsible for designing and producing new digital technologies and providing appropriate input into future developments.

You will have experience of dental workflows and be able to ascribe clinical relevance to numerical digital data. Roles will include contributing to the design and testing of new digital equipment and algorithms, aimed at solving real clinical problems in dentistry. You will be driving development, using scripting, basic electronic engineering, 3D printing and 3D scanning as tools to this end.

In order to be successful in this role you should be an experienced Researcher, be able to demonstrate excellent communication and organisational skills, as well as having experience of working as part of a team.

### **What does the role entail?**

As a Digital Research Engineer in Digital Dentistry your main duties will include:

- Contributing significantly to the designing and building of our novel technologies such as 3d dental scanning units;
- Problem-solving and enhancing existing aspects of our novel digital technologies;
- Working both independently and as part of a larger team of researchers and stakeholders;
- Working with third parties, such as commercial companies and spin-outs, to aid knowledge transfer and impact development;
- Supporting research activities, including contributing to research results and outputs and to the generation of independent and original ideas in digital dentistry, ensuring a successful programme of investigation;



- Collating and analysing data in a diverse range of novel digital dental applications and systems which have been developed in our lab;
- Contribution to our new digital developments, identifying clinically-led areas for improvement and helping implement digital solutions;
- 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 Digital Research Engineer in Digital Dentistry you will have:

- A first degree and a Masters or PhD in the field of dentistry;
- Proven experience working in the clinical dental arena and a deep knowledge of clinical dental issues;
- A strong background in scientific research in Dentistry;
- Proven experience delivering technical projects related to digital dentistry, ideally in the field of 3d scanning;
- Good interpersonal and communication skills, both written and verbal and the ability to communicate effectively with a wide range of stakeholders;
- Well-developed analytical skills;
- Good time management and planning skills, with the ability to meet tight deadlines;
- A proven ability to work well both individually and in a team;
- The ability to work unsupervised and to use your own initiative.

You may also have:

- Evidence of advanced computer literacy (for example programming in C or C++).

## How to apply



You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. 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:

**Andrew Keeling, Clinical Associate Professor**

Tel: +44 (0)113 343 1762

Email: [a.j.keeling@leeds.ac.uk](mailto:a.j.keeling@leeds.ac.uk)

## Additional information

Find out more about the [Faculty of Medicine and Health](#)

Find out more about the [School of Dentistry](#).

Find out more about [Athena Swan](#) in the Faculty.

### Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on 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 on our [Accessibility](#) information page or by getting in touch with us at [disclosure@leeds.ac.uk](mailto: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.

