# CANDIDATE BRIEF

## Research Fellow in Distributed Systems,
## Faculty of Engineering & Physical Sciences



**Salary: Grade 7 (£33,797 - £40,322 p.a.) Due to funding restrictions an appointment will not be made above £35,845 p.a.**

**Reference: EPSCP1018**

**Closing date: 15 September 2020**

**Fixed-term for 21 months**

**We will consider flexible working arrangements**

# Research Fellow in Distributed Systems
# School of Computing

**Are you an ambitious researcher looking for your next challenge? Do you have a background in development of resource management systems? Do you want to further your career in one of the UK's leading research intensive Universities?**
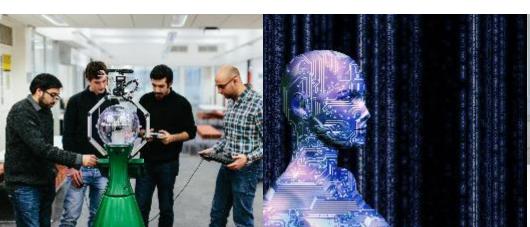
This post is funded by the EPSRC project "Algorithmic Support for Massive Scale Distributed Systems". You will join the applied team of project researchers contributing to the development of the cutting edge software for efficient resource management and task scheduling software.

Holding a PhD (or close to completion) in Computer Science, you will have research experience in modern resource management systems and machine learning. Additionally, you will have a track-record of high quality peer-reviewed publications, commensurate with experience and the ability to undertake independent high quality research and to carry through research projects from inception to publication, delivering against deadlines.

## What does the role entail?

As a Research Fellow, your main duties will include:
- To undertake research within the remit of the project, making significant contributions to the development of innovating approaches to distributed system management, their implementation, testing and evaluation;
- To be actively engaged in cutting edge research on distributed systems management and to enhance the research activity of the applied team;
- To generate and pursue independent and original research ideas on efficient management of massive scale distributing systems;
- To work with and in support of the research grant to ensure the project is successfully completed;
- To developing machine-learning components of the task scheduling software;
- To work both independently and as a member of the applied team, communicating effectively with all project participants;
- To attend and present work in group meetings to report progress, agree future work and exchange data/experience;

- To develop and maintain a high quality record of publications in leading international journals and to disseminate research results through other recognised forms of output;
- To maintain your own continuing professional development and to act as a mentor to less experienced colleagues as appropriate;
- To contribute to the training of both undergraduate and postgraduate students, including assisting with the supervision of projects in areas relevant to the project.

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 Fellow you will have:
- A PhD (or close to completion) in Computer Science;
- A strong background in distributed systems and machine learning;
- Strong software development skills;
- A track-record of high-quality peer-reviewed publications, commensurate with experience;
- The potential to develop new research themes;
- Excellent organisation skills, including the ability to prioritise tasks and to manage time effectively, responsibly and without close support;
- Excellent written and verbal communication skills including presentation skills and the ability to communicate effectively with a wide range of stakeholders;
- Experience of preparing and delivering presentations at scientific conferences;
- A proven ability to work well both individually and in a team;
- Enthusiasm for all aspects of research and scholarship, including willingness to support activities beyond the project within the Distributed Systems and Services group;
- A strong commitment to your own continuous professional development.

You may also have:
- Experience of supporting teaching at both postgraduate and undergraduate level.

# 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:

**Prof J Xu** School of Computing
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Email**:** j.xu@leeds.ac.uk

**Dr Natasha Shakhlevich** School of Computing
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Email: N.Shakhlevich@leeds.ac.uk

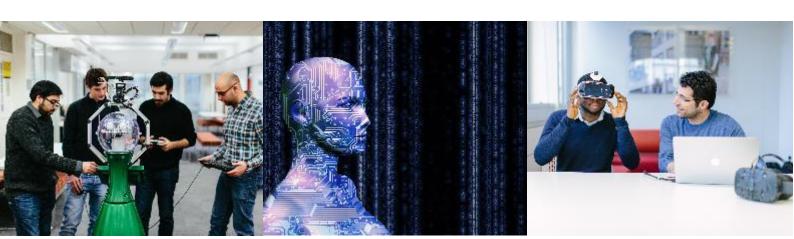# Additional information

**Faculty and School Information**
Further information is available on the research and teaching activities of the Faculty of Engineering & Physical Sciences and the School of Computing.

**A diverse workforce**

The Schools in the Faculty of Engineering & Physical Sciences are proud to have been awarded the Athena SWAN Bronze or Silver Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our equality and inclusion webpage provides more information.

**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.](#)

# 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.