



## Job Description

This form summarises the purpose of the job and lists its key tasks. It is not a definitive list of all the tasks to be undertaken as those can be varied from time to time at the discretion of the School, in consultation with the postholder.

**Job title: Research Officer**

**Department/Centre/Institute: Mathematics**

**Accountable to: Principle Investigator  
ScaleOpt project.**

### Job Summary

The postholder will be a Research Officer on the ERC Starting Grant Project “ScaleOpt” working with Principal Investigator Dr László Végh. This is a band 6 fixed-term position (for one year, with the possibility of extension) based within the Department of Mathematics.

The postholder will contribute to the research objectives of the “ScaleOpt” project, by conducting substantive individual research and developing new results in the theory of algorithms and optimisation. The main objectives of the project are developing new scaling methods in discrete and continuous optimisation, and extending the limits of strongly polynomial computability. The postholder will develop and carry forward a coherent research strategy in their discipline which has national and international impact. They will continually update knowledge and understanding in field or specialism and translate knowledge of advances in the subject areas into research activity.

The postholder will manage their own research and administrative activities, with guidance if required. They will participate in research seminars and are expected to be regularly present throughout the work week during term-time. The postholder will also engage in student project and dissertation supervision in topics relevant to their research interests.

The post holder is responsible to the Head of the Department of Mathematics via the Principal Investigator of the grant, Dr László Végh.

### Duties and Responsibilities

#### Range of Research Activities and Responsibilities

- Conducting research projects or programmes either independently or in a team.
- Demonstrating the ability to analyse and research complex ideas, concepts or theories and applying appropriate methodologies.
- Writing up research for publication in a variety of modes including peer reviewed journals.
- Initiating and sustaining links with external bodies to foster collaboration.
- Presenting research papers at conferences.
- Organising conferences, seminars and workshops.
- Contributing creative solutions to research challenges.



**Activities relating to administration and management and/or School service may include:**

- Playing a constructive role in the life of the Centre/Institute/Department.

All of the above subject to the contractual obligations imposed by the external funding agency and with the agreement of the grant-holder, Principal Investigator and/or Head of Centre.

**Note**

The LSE has a progressive pay structure that rewards you with annual pay increases up to a certain level as you develop in your role. We also provide for further reward past this point in the form of further pay increases based on exceptional performance.

**Flexibility**

To deliver services effectively, a degree of flexibility is needed, and the post holder may be required to perform work not specifically referred to above.

**Equality and Diversity**

To uphold the School's commitment to equality of respect and opportunity, as set out in the [Ethics Code](#), we will treat all people with dignity and respect, and ensure that no one will be treated less favourably because of their role at the School, age, sex, disability, gender identity, race, religion or belief, sexual orientation, marriage and civil partnership, pregnancy and maternity, or social and economic background. For the full Equity, Diversity and Inclusion policy statement, please see the [EDI website](#).

**Environmental Sustainability**

The post holder is required to minimise environmental impact in the performance of the role, and actively contribute to the delivery of the LSE Environmental Policy.