



Person Specification

This form lists the essential and desirable requirements needed in order to do the job.

Applicants will be shortlisted **solely** on the extent to which they meet these requirements.

Job title: Research Officer in Algorithms and Optimization

Department: Mathematics

Accountable to: Head of Department via Principal
Investigator of the ScaleOpt project

Criteria	E/D
Knowledge and Experience Successful completion (or near-completion) of PhD by January 2019, in a discipline relevant to optimization, such as Mathematics, Computer Science, or Operations Research. Ability to demonstrate research interests and comprehensive knowledge and experience in areas relevant to the project ScaleOpt: the theoretical foundations of discrete and continuous optimization, with a particular focus on strongly polynomial computability. Evidence of developing a body of good quality publications, in well-recognised peer reviewed outlets, through independent original research.	E E E
Communication Excellent written and oral communication skills, including an ability to place one's specialist work within a broader context and to communicate research findings effectively to a range of audiences.	E
Investigation, analysis and research Ability to develop a coherent programme of research and establish models in the context of the research project. Ability to analyse and research complex ideas, concepts or theories.	E E
Planning and organisation Ability to take a lead role in pursuing the activities and objectives of the research project. Evidence of good time and workload management and planning skills, setting priorities and committing to delivery within deadlines.	E E



Teamwork and motivation

A commitment and demonstrated ability to work as part of a collaborative research team in assisting the smooth running of the project.

D

Ability to take responsibility for, and work independently on, specific project tasks, consulting and reporting to colleagues appropriately.

D

A flexible and creative attitude to work.

D

Willingness to travel within the United Kingdom, EU and beyond to conduct research and attend conferences.

D

Liaison and networking

Evidence of experience of participation in academic events.

D

Demonstrated ability to initiate and build and maintain a collaborative network of contacts, including with external bodies.

D

E – Essential: requirements without which the job could not be done.

D – Desirable: requirements that would enable the candidate to perform the job well.