Lancaster University

JOB DESCRIPTION

Job Title:	Research Software Engineer	Grade 7P
Department/College:	School of Mathematical Sciences	
Directly responsible to:	Professor Idris Eckley	
Supervisory responsibility for:	N/A	

Other contacts

Internal: PhD students and other members within the multiscale methods group (a subset of the stochastic modelling group); colleagues in the School of Mathematical Sciences.

External: Members of the broader research project team at DASS partner universities, industrial partners and the wider research community.

Major Duties

To act as the software developer for the project. This duty principally involves working both independently and as part of a team, developing software packages which implement the statistical theory and methodology arising from the programme. Packages should be developed to a high standard, and accompanied by appropriate levels of documentation (help files, vignettes etc), i.e. suitable for open access deployment.

To act as a beacon for good statistical computing practice, for example coordinating meetings/focus groups with end users to identify their needs; provide the research group with guidance on software issues; identifying and promoting state of the art statistical computing and visualisation techniques to the DASS team.

To lead or contribute to other aspects of the research where appropriate. This may include identifying relevant literature from the computer sciences, engaging in the planning and development of the project studies, and contributing to the broader knowledge transfer and impact agenda.

To support the dissemination of the research, including contributing to research publications and attending national and international conferences to present the research.

To engage in personal development opportunities, and exploit opportunities to further develop the research work through funding.