



JOB DESCRIPTION

Job Title:	Research Assistant
Department / Unit:	Computer Science
Job type	Research
Grade:	7
Accountable to:	Professor of Computer Science
Responsible to:	Head of Department
Purpose of the Post	
<p><i>Background</i></p> <p>Prof. A.Gammerman, Prof.V.Vovk and Dr.Z.Luo are working on an EU-funded grant under Horizon 2020 programme on the topic of scalable machine learning of complex models and entitled "Exascale Compound Activity Prediction Engine (ExCAPE)"..</p>	
Key Tasks	
<p>The project will involve a range of activities, including the following:</p> <ol style="list-style-type: none"> 1. Broad spectrum of technical expertise covering computer science, data analysis, machine learning, networking, hardware/software architecture, wireless telecommunication, system-level modeling. 2. Good working experience in system-level design and system-level performance. 3. Hands-on analysis of large data sets using Data Analysis and Machine Learning techniques on large data sets using python (numpy, sklearn, pandas, matplotlib) and R. 4. Understanding of scalability of software and hardware architectures and their performance (latency and throughput), reliability and availability. 5. Writing papers, reports and presentations; attending workshops to disseminate the research; assisting in arranging meetings and workshops. 6. Any other duties as required by the line manager or Head of Department. 	

Other Duties

The duties listed are not exhaustive and may be varied from time to time as dictated by the changing needs of the College. The post holder will be expected to undertake other duties as appropriate and as requested by his/her manager.

The post holder may be required to work at any of the locations at which the business of Royal Holloway is conducted.