



Fujitsu Laboratories of Europe Limited

Senior Researcher / Principal Researcher - HPC

Hayes Park, Uxbridge, UK

Fujitsu Laboratories of Europe (FLE) is a multidisciplinary centre which, as part of Fujitsu's global R&D activity, conducts research in the fields of information technology and mobile communications.

Applications are invited for this full-time, permanent High Performance Computing (HPC) Research position in our Technical Computing Research Division. The Division's current activities are centred on the research & development of efficient software applications for parallel computers (including massively parallel petascale systems such as the 'K computer') with particular emphasis on vertical markets such as Environmental, Health, Energy, Engineering and Manufacturing sectors.

This exciting opportunity is for a suitably qualified and research minded individual who can provide both technical leadership and take responsibility for a team engaged in working closely with Fujitsu Global R&D groups, academic & industrial partners and government research institutions to develop the required computational technologies. A strong research mind is integral to this role as are the strong communication skills to translate those ideas generated along with an individual's dynamism to bring the research to fruition. The successful candidate will also have a keen interest in keeping up to date with technology trends, and incorporating relevant developments in their research plans.

Applicants should possess a good first degree and will ideally also have attained a relevant postgraduate qualification or PhD in a quantitative science.

Essential Skills:

- Good working knowledge of Machine Learning concepts, including Deep Neural Networks.
- Sound mathematical and statistical background to understand and optimize Deep Neural Networks.
- Knowledge of programming techniques (MPI and OpenMP) for parallel computers using Fortran, C or C++, and experience with tools such as debuggers and performance analysers.
- Expert knowledge in two or more of the following languages: Python, R, Scala
- Proven technical leadership ability
- Excellent project management skills
- Strong communication skills (verbal, written and presentational)
- Excellent interpersonal skills along with an engaging personality

Desirable Skills:

- Parallelisation/optimization of large scientific software on GPUs.
- Experience with CAFFE framework and cuDNN library would be highly desirable.
- Familiarity with AlexNet, ImageNET

For more details please contact: balakrishnan.bhaskaran@uk.fujitsu.com