



PRESS RELEASE

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Petapath embarks on HPC market study

Start-up company Petapath is the first company to receive a market study grant from the UK's South West Regional Development Agency

Bristol-based start-up company Petapath has received funding from the South West Regional Development Agency (SWRDA) to perform a market study into high-performance computing requirements in the region.

Petapath has been set up to deliver heterogeneous computing solutions to a range of applications in the high-performance computing sector. Systems used in enterprise computing often use only a fraction of their available computing capacity. Petapath's technology will give customers access to the unexploited capacity, delivering increased performance with only a moderate increase in power usage.

"The purpose of the study is to identify and assess key areas of system architecture and software methodology, using specific examples to test where the greatest level of gain would be for enterprises," explains Michal Harasimiuk, CEO of Petapath. "It is anticipated that this project will lead to new solutions, which deliver enhanced return on investment through maximizing the efficient use of existing systems and of IT skills."

Petapath is developing software that uses existing standards, is platform-independent and exploits powerful distributed computing technology to harness the parallel processing capabilities of multi-core CPUs/GPUs. It is applicable to any industry that require energy-efficient high-performance computing power such as the finance industry, oil and gas companies, scientific computing applications and the aerospace industry.

“Because we are platform independent, we can work with a wide variety of hardware providers to deliver the best solution to our customers,” says Harasimiuk. “Improving the efficiency of systems in which multi-core technology is used and combining it with acceleration technology can reduce simulation times from days to hours.”

The study is expected to take five months and the participants will have access to the results. Anyone interested in participating in the study should contact Michal Harasimiuk (michal@petapath.com; +44(0)117 911 7544).

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About Petapath

Petapath is a supplier of heterogeneous computing solutions in the high-performance computing sector. Its expertise and technology dramatically increases computing performance with only a moderate increase in power dissipation. Petapath’s software technology can be applied to any application using high-performance computing, from banking and entertainment, to scientific and mathematical modelling. Petapath’s technology is a cost-effective, energy-efficient way of increasing computer performance into the petaflop/s regime.

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