

Benefits to my PhD study programme of undertaking
the HPC Autumn Academy

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Dear Sir or Madam,

I will be starting a PhD programme of study at the University of Warwick in October 2011.

My PhD will involve research into various HPC technologies. In particular how these can be applied in novel ways to improve the performance of important industrial applications and benchmarks.

I believe that having the opportunity to attend the HPC Autumn Academy would be extremely beneficial to my studies, as it would enable me to:

- Initially become familiar with the theory and practice of parallel programming.
- Gain knowledge of the Fortran programming language, which is a language I currently have no knowledge of or experience with.
- Significantly improve my knowledge of current HPC architectures, ie the types of machines, which I will be required to use during my studies.
- Enhance my knowledge of the programming models (eg OpenMP), languages and tools (eg the compilers & debuggers), which I will be required to use during my studies.

Attending the course will therefore enable me to accelerate my PhD programme of study. The course will enable me to come “up to speed” on the various technologies involved in the area considerably sooner than would otherwise be possible. Thus enabling me to conduct higher quality research, sooner in my PhD programme than would otherwise be possible.

Yours sincerely

Andrew Mallinson