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July 25, 2011

Dear Sir or Madam:

I am very interested in the Autumn Academy organized by the HPC-SC consortium.

Since June 2010, I have been a PhD student at the University of Liverpool. My research has focused in the area of Computational Aerodynamics, more specifically on the implementation of turbulence models on a new Computational Fluid Dynamics solver that is being developed in our laboratory.

During the last few months, we have been making progress with the development of the software. In the near future, our objective is to be able to solve complex turbulent flows over detailed movable geometries in 3D. For this, it is obvious we will need to evolve towards parallel processing.

This course fits perfectly with my PhD project as it will greatly improve our knowledge and abilities on areas directly related to our research; namely Performance Programming and Parallel Architectures.

I hope I am able to secure a place in the course as well as one of the bursaries.

Thank you for your consideration. I am looking forward to hearing from you soon.

Yours Faithfully,

Juan Jacobo Angulo