



Euro-Par 2006

Dresden, Germany

29th August - 1st September 2006

Grid Village in conjunction with Euro-Par 2006



LittleFe – Computational Science on the Move

Many institutions and teaching environments do not have access to parallel platforms for parallel and distributed computing education. Teaching key concepts such as speedup, efficiency, and load balancing are much more effectively done on a parallel platform.

LittleFe is a complete 4 to 8 node Beowulf style portable computational cluster. LittleFe weighs less than 50 pounds, easily and safely travels via checked baggage on the airlines, and sets-up in 10 minutes wherever there is an electrical outlet and a wall to project an image on.

By leveraging the Bootable Cluster CD project, and its associated curriculum modules, LittleFe makes it possible to have a powerful ready-to-run computational science and HPC educational platform for under \$2,500. We will demonstrate molecular dynamics, image rendering, and Grid client curriculum modules.