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The Project CampusGrid

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A central idea of Grid Computing is the virtualization of heterogeneous resources. To meet this challenge the Institute for Scientific Computing, IWR, has started the project CampusGrid. Its medium term goal is to provide a seamless IT environment supporting the on-site research activities in physics, bioinformatics, nanotechnology and meteorology. The environment will include all kinds of HPC resources: vector computers, shared memory SMP servers and clusters of commodity components as well as a shared high-performance storage solution. After introducing the general ideas the talk will inform about the current project status and scheduled development tasks. This is associated with reports on other activities in the fields of Grid computing and high performance computing at IWR.

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