

Are we Ready for Petascale System?

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Abstract:

With growing demand for petascale computing systems, sooner or later we will ask ourselves if we are ready to design, deploy and manage such installation. The presentation will try to answer this question. First, we will go through the currently available components could be used to build the cluster i.e. nodes, interconnects, storage subsystem, management software, etc. Then their development plans will be briefly described. Finally, we will list and discuss the requirements, like room, weight, power and cooling.