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The Open Science Grid: Collaborative Science on a High-Throughput Distributed Facility

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The Open Science Grid Consortium's mission is to provide an open, collaborative eco-system in support of scientific research in the US. The Consortium provides a shared distributed high throughput computational facility serving a broad range of Virtual Organizations, supported by a common set of software technologies. The OSG project is funded jointly by the DOE SciDAC-2 program and the NSF to provide activities in support of the OSG Consortium's mission, and especially to contribute as the US distributed infrastructure used by the ATLAS and CMS LHC experiments. The talk will explore key aspects of the OSG.

Ruth Pordes is the Executive Director of the Open Science Grid(OSG), an Associate Head of the Fermilab Computing Division, and the US CMS Grid Services Coordinator. As the OSG Executive Director she is responsible for the program of work of the project as well as working with the external partners and sponsors. Prior to her responsibilities in OSG, Ruth was the coordinator the Particle Physics Data Grid DOE SciDAC-1 project, a member of the management team of the International Virtual Data Grid Laboratory Project and Fermilab Run II Joint Offline Computing projects. Previous contributions were the Sloan Digital Sky Survey and as a member of the KTeV high energy physics experiment. Ruth Pordes has an MA in Physics from Oxford University in England.

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