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## **Petascale Visualization and Analysis - A Data Intensive Application on Numerically Intensive Supercomputers**

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### *Abstract*

With the advent of the era of petascale supercomputing, with the delivery of the Roadrunner supercomputing platform at Los Alamos National Laboratory, there is a pressing need to address the problems when visualizing massive petascale-sized results. In this presentation, I discuss progress on a number of approaches including in-situ analysis, multi-resolution out-of-core streaming and interactive rendering on the supercomputing platform. These approaches are placed in context by the area of data-intensive supercomputing.

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