



Climate Program Opening Workshop August 21-25, 2017

Lecture: *Software Architecture Considerations in the Analysis of Highly Distributed Data and Computational Analysis*

Speaker: Daniel Crichton

Abstract:

Climate Science presents several data intensive challenges that are the intersection of software architecture and data science. This includes developing approaches for scaling the analysis of highly distributed data across institutional and system boundaries. JPL has been developing approaches for quantitatively evaluating software architectures to consider different topologies in the deployment of computing capabilities and methodologies in order to support the analysis of distributed climate data. This talk will cover those approaches and also needed research in new methodologies as remote sensing and climate model output data continue to increase in their size and distribution.