



**Climate Program Remote Sensing Workshop  
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**SPEAKER TITLES/ABSTRACTS**

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“An Introduction to Systems and Software Architecture Considerations for Scaling Data Analysis”

Architectural decisions in designing data and computation intensive systems can have a major impact on the ability of these systems to perform statistical and other complex calculations efficiently. The storage, processing, tools, and associated databases coupled with the networking and compute infrastructure make some kinds of computations easier, and other harder. This talk will provide an introduction to software and data systems components that are important for understanding how these choices impact data analysis uncertainties and costs, and thus for developing system and software designs best suited to statistical analyses.