The 6th workshop on Scientific Cloud Computing (ScienceCloud) provides the scientific community a dedicated forum for discussing new research, development, and deployment efforts in running scientific computing workloads on Cloud Computing infrastructures. The ScienceCloud workshop focuses on the use of cloud-based technologies to meet new compute-intensive and data-intensive scientific challenges that are not well served by current supercomputers, grids and HPC clusters. The workshop aims to address questions such as: What architectural changes to the current cloud frameworks (hardware, operating systems, networking and/or programming models) are needed to support science? Dynamic information derived from remote instruments and coupled simulation, and sensor ensembles that stream data for real-time analysis are important emerging techniques in scientific and cyber-physical engineering systems. How can cloud technologies enable and adapt to these new scientific approaches dealing with dynamism? How are scientists using clouds? Are there scientific HPC/HTC/MTC workloads that are suitable candidates to take advantage of emerging cloud computing resources with high efficiency? Commercial public clouds provide easy access to cloud infrastructure for scientists. What are the gaps in commercial cloud offerings and how can they be adapted for running existing and novel eScience applications? What benefits exist by adopting the cloud model, over clusters, grids, or supercomputers? What factors are limiting clouds use or would make them more usable/efficient?

The ScienceCloud workshop encourages interaction and cross-pollination between those developing applications, algorithms, software, hardware and networking, emphasizing scientific computing for such cloud platforms. The workshop is an excellent place to help the community define the current state, determine future goals, and define architectures and services for future science clouds.

Important Dates

**Paper Submission Due:** February 13, 2015
**Notification of Acceptance:** March 20, 2015
**Workshop:** June 16, 2015