THE UNIVERSITY of TENNESSEE UT
KNOXVILLE

23 July 2012

Dear John,

The Center for Remote Data Analysis and Visualization (RDAV) at the National Institute for Computational Sciences (NICS) wishes to participate in the XSEDE Federation and SP Forum as a Level 1 Service Provider (SP) through its delivery of the Nautilus SGI Altix UV 1000 computational resource.

RDAV provides a large shared-memory computational system dedicated to the visualization and analysis of very large and heterogeneous datasets. In addition, RDAV provides 1 PB of parallel disk for the storage of user datasets. Coupled with the larger capabilities of the NICS computing center, this provides unparalleled dedicated capabilities for visualization and analysis for the larger NSF and XSEDE research communities. Finally, RDAV staff are among the best in the nation at solving large data visualization and analysis problems and provide significant expertise in delivering community-wide software frameworks and solutions (e.g., ADIOS, Eden, VisIt, ParaView).

RDAV is pleased to participate in the XSEDE Federation. XSEDE provides many activities and resources that go beyond what we can provide on our own. The Extended Collaborative Support (ECS) Services augment the capabilities that we provide, allowing us to further extend the support we provide our users. As visualization and analysis is fundamentally dependent upon data movement, the XSEDEnet private network that XSEDE provides significantly enhances our users' ability to move data into and out of our center's storage resources. The campus bridging efforts of XSEDE allow us to extend our reach into campuses that we would not otherwise be able to reach. And the centralized ticketing system that XSEDE provides enables a much more polished user experience than RDAV could provide purely on our own.

In a similar way, we believe the XSEDE federation is augmented with our capabilities and resources. We provide the largest shared-memory system dedicated to analysis and visualization within the NSF. Coupled with this, a significant portion of our funding is dedicating to providing expert Extended Collaborative Support for data analysis, visualization, workflow, and I/O optimization needs. We also find that our RDAV successes can often be co-branded with XSEDE, given that both organizations can fairly claim some credit for the scientific impact we yield.

We have reviewed the XD Service Providers Forum: Charter, Membership, and Governance document (version 10.1_120228, dated 28 February 2012, at: https://www.xsede.org/documents/10157/281380/SPF_Definition_v10.1_120228.pdf) defining the mutual

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responsibilities of XSEDE and an SP and are confident that we can and will fulfill our obligations as described therein.

In the event that you have an issue with our performance, please contact me directly. Similarly, if we perceive an issue, we will contact you. In either case, we commit to work with you to resolve any issues.

We at RDAV look forward to working with XSEDE to advance the mission of XSEDE and the NSF in advancing the nation's research capability.

Sincerely,

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