SC13 bof119s1 BOF PRESENTATION REPORT
Scalable Adaptive Graphics Environment (SAGE) for Global Collaboration

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SAGE, the Scalable Adaptive Graphics Environment, receives major funding from the National Science Foundation to provide the scientific community with persistent visualization and collaboration services for global cyberinfrastructure. SAGE is a widely used open-source platform and the defacto operating system, or framework, for managing "big data" content on scalable-resolution tiled display walls. This is the fifth BOF that the SAGE development team has held at SC. SC provides an unparalleled opportunity for the global SAGE user community and potential users to meet, review current development efforts, share community-developed use cases, and have discussions on user requirements and future roadmaps.

The SC13 BOF attracted ~40 attendees from the U.S., Australia, Canada, Czech Republic, Japan, Korea, Poland, Sweden, Switzerland, and Taiwan. The SAGE team introduced themselves, after which audience members were asked to say their name and institution; many new faces were in the audience.

The SAGE Team from the UIC Electronic Visualization Laboratory (EVL)

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The team discussed SAGE feature updates that occurred in the past year; notably: new comprehensive documentation; improved document sharing over distance; audio streaming; and, more robust support for stereo 3D animations. Following that, several SAGE users gave presentations on ways they were using SAGE: team member Maxine Brown talked about research and education usage at University of Illinois at Chicago; Petr Holub of Masaryk University talked about his group's UltraGrid streaming audio/video software, which is now integrated with SAGE; Shinji Shimojo and Susumu Date of Osaka University talked about how they have integrated SAGE with Software Defined Networks; and, Paul Bonnington of Monash University talked about his new CAVE2™ Hybrid Reality Environment, which runs SAGE.

Beginning October 2013, SAGE received new five-year funding from the U.S. National Science Foundation (NSF). Team members presented an overview of new SAGE capabilities to be developed in the coming years: better reliability; greater integration with external applications; enhanced collaboration tools; and, new user interfaces for ease of interaction. Given that this NSF grant renews EVL's mandate to focus on leading-edge innovation, EVL announced it had commercialized the current version of SAGE to Vadiza, a Chicago-based start-up company, which will be developing an enterprise version and take over day-to-day SAGE Technical support. John Thompson of Vadiza gave a short presentation on the goals of his company and his roadmap for the coming year.

Attendees asked questions during the presentations, and a longer Q&A session was held at the end.

The SC BOF presentations are available for download o the SAGE website:
http://www.sagecommons.org/sage-bof-at-sc13/#more-1320