SC11 Seeks Disruptive Innovators
Submission to Disruptive Technologies Program due July 22, 2011
Submissions may also be considered for SCinet Research Sandbox

SEATTLE, Washington – July 7, 2011 - SC11, the premier international conference on high performance computing, networking, storage and analysis, is seeking submissions for the Disruptive Technologies (DT) track in the technical program. As part of the SC conference series since 2006, DT seeks to examine new architectures and technologies that will significantly impact the high performance computing, networking, storage and data analysis ecosystem throughout the next five to 15 years, but have not yet emerged in current systems.

"Disruptive technologies represent drastic innovations in current practices such that they have the potential to completely transform the HPC field as it currently exists–ultimately overtaking the leading technologies in the marketplace," said Martin Swany, co-chair of Disruptive Technologies and Associate Professor at the University of Delaware. "SC continues to be the leading forum for showcasing not only the leading edge technologies in use today but for exploring these game-changing innovations that hold the promise of completely transforming the way we research and do business."

Unique in 2011, submissions to the Disruptive Technologies program can also demonstrate their research as part of the SCinet Research Sandbox (SRS). The SRS is designed to allow researchers to experimentally test and demonstrate their ideas on innovative network architectures, applications and protocols in the unique live environment of the SCinet network. This year, the SRS will provide researchers with access to over 100 Gigabits per second of capacity and will feature for the first time a 10 Gigabit per second (Gbps), multi-vendor OpenFlow network testbed connected from the Washington State Convention and Trade Center in Seattle to potentially several national research networks to provide wide area OpenFlow capabilities.

"The ability to 'program the network' through technologies like OpenFlow stands to be one of the most disruptive innovations in high performance computing, an arena that depends on, and pushes, the capabilities of network infrastructure. Virtualization and customization of the network is missing piece of the cloud computing ecosystem, and this stands to finally make it viable for HPC. For this reason, we have coupled Disruptive Technologies with the SRS this year to allow researchers the unique ability to demonstrate the possibilities of this disruptive innovation in HPC," said Swany, also co-chair of the SRS.

The SC11 Disruptive Technologies track is soliciting proposals with specific focus on those that can address the SC11 "Data Intensive Science" thrust area. Proposals can involve a demonstration or presentation of early results, or consist of a position paper to be presented in a panel format and exhibit showcase. Disruptive Technologies proposals can be submitted via the SC11 submissions web site, http://submissions.supercomputing.org. Please indicate where noted if you would like to also be considered for participation in the SRS.

For questions about this program, please contact disruptive-techs@info.supercomputing.org.

About SC11
SC11, sponsored by the ACM (Association for Computing Machinery) and the IEEE Computer Society, offers a complete technical education program and exhibition to showcase the many ways high

performance computing, networking, storage and analysis lead to advances in scientific discovery, research, education and commerce. This premier international conference includes a globally attended technical program, workshops, tutorials, a world class exhibit area, demonstrations and opportunities for hands-on learning. For more information on SC11, please visit: http://sc11.supercomputing.org/.

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