The Workshop on
Communication Architecture for Clusters

CAC 2007

M ANY of the world's fastest computer systems are clusters of workstations or servers. Numerous research groups in academia, industry, and government are currently engaged in cluster research, seeking new ways to advance the state of the art of cluster communication. The goal of the CAC workshop is to bring together researchers and practitioners working in the areas of communication hardware and software to discuss their latest findings as well as future trends in the design of scalable, high-performance, and cost-effective communication architectures for clusters.

CAC 2007, the seventh workshop in the series, comprises ten peer-reviewed papers organized into sessions on quality of service, messaging layers, leveraging hardware acceleration, and switching networks. The papers cover a wide range of current topics in cluster communication: switch design, messaging-layer implementation, iWARP, Advanced Switching, RDMA, and, of course, MPI. We are very excited to feature a keynote address from Andy von Bechtolsheim, co-founder of Sun Microsystems and now chief architect in Sun's Volume Systems Products group. The workshop will conclude with a panel on the role of accelerators in cluster communication.

We look forward to a day of informative talks and engaging discussions. Welcome to CAC 2007!