Greetings from the General Chairs

We are very pleased to welcome you to IEEE Cluster 2012 in Beijing, China! This event is significant to us not only because it is the first time in China, but we are also honored to provide service to our cluster computing colleagues coming from all over the world. China has become a world leader in R&D in computer clusters for high performance computing, such as Dawning and TianHe supercomputers, and for large data centers, such as production systems in Baidu, Taobao, and Tensing. We are excited to share our experiences with and learn from researchers in the international community here in Beijing.

IEEE Cluster provides a forum for scholars, engineers and scientists, in academia, industry and governments to present their latest research findings in various aspects of cluster computing that has been extended from high performance computing to big data analytics in many application areas. This conference will continue to impact to cluster infrastructure development, and to improving the productivity of applications in increasingly more areas. Following the Cluster tradition, the conference this year consists of a strong technical program selected from a record high number of submissions, and a set of workshops. We are pleased to have invited three keynote speakers from both academia (Dr. Franck Cappello, INRIA, France, and Professor D. K. Panda, Ohio State University) and from industries (Dr. Wen-Hann Wang, Intel).

The excellence of Cluster 2012 program comes from hardworking and contributions of the authors, reviewers, conference organizers and program committee chairs and members. We are grateful for the guidance and advices from the Cluster Steering Committee. We would like to express our sincere gratitude to several key organizers on the organizing committee, including program co-chairs Yuzhong Sun, Cho-li Wang, and Xiaodong Zhang. In addition, we would like to thank Workshops and Tutorial Co-Chairs Howie Huang and Young Choon Lee, Poster Chair Junwei Cao, Publicity Chair Yinglong Xia, Proceeding Co-Chairs Bing Guo and Beihong Jin, Sponsor and Exhibition Chair Yunquanz Zhang, Finance Chair Ying Song, and Registration Chair Qinglin Yang.

Finally we would like thank our sponsors to support the conference: IEEE Computer Society, IEEE Technical Committee on Scalable Computing, Sugon, Intel, Inspur, VMware, Mellanox, PARATERA, BLSC, LoongStore and Nvidia.

Best wishes,