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THE CHINESE UNIVERSITY OF HONG KONG
Institute of Network Coding
and
Department of Information Engineering
Seminar

Overview of The Blue Gene Supercomputers

by

Dr. Dong Chen
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Date : 18 January 2011 (Tuesday)
Time : 10:30 - 11:30 am
Venue : Room 833, Ho Sin Hang Engineering Building
The Chinese University of Hong Kong

Abstract

Blue Gene is a series of massively parallel supercomputers developed by IBM Research and IBM System and Technology Group. The largest first generation Blue Gene/L supercomputer at the Lawrence Livermore National Laboratory incorporates 131072 processors and was rated the world's fastest supercomputer on 7 consecutive semiannual top 500 supercomputer list. In this talk, we give an overview of the Blue Gene architecture and applications.

Biography

Dong Chen received his Ph.D. in physics from Columbia University in 1996. He continued as a postdoctoral researcher at MIT from 1996 to 1998. He joined IBM server group in 1999 and worked on optimizing applications for IBM RS/6000 SP systems. In 2000, he moved to IBM T. J. Watson Research Center and has been working on the Blue Gene supercomputer project since. He has contributed to the architecture, design and applications of Blue Gene systems. He received two Gordon Bell Awards, one for the QCDSP supercomputer in 1998 and one for Lattice QCD on Blue Gene/L in 2006.

****ALL ARE WELCOME ****

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