Abstract

As the rapid development in mobile communication and wireless networking systems users can access information from anywhere and at any time. Clusters play important role in scientific computing. Clusters eliminate the need for supercomputers by providing better price-performance ratio and fault tolerance. The integration of these two technologies has become feasible and lead to the emergence of a new paradigm called Mobile Cluster
Computing. The rapid growth in mobile computing has made mobile devices more powerful in terms of computing and ubiquitous in terms of connectivity. This has made parallel computing feasible on mobile clusters, by making use of the idle processing power of the static and mobile nodes that form the cluster.

**Reference**

- Moset: An anonymous remote mobile cluster computing paradigm A. Vijay Srinivas, D. Janakiram, M.A. Maluk Mohamed Distributed & Object Systems Lab, Department of CS & E, Indian Institute of Technology Madras, Chennai, India. Received 1 April 2005; accepted 1 April 2005. Available online 8 August 2005.
- Mobile Cluster Computing and Timeliness Issue Haihong Zheng, Rajkumar Buyya, and Saurav Bhattacharya Dept. of Computer Science and Engineering Arizona State University Tempe, AZ-85287-5406, USA.

**Index Terms**

Computer Science, Ubiquitous Computing

**Key words**

MCC, MOSET Architecture

Fault Tolerance