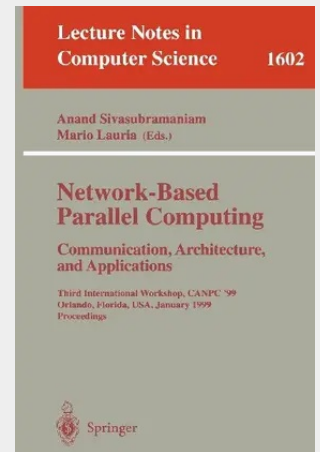


Network-Based Parallel Computing Communication, Architecture, and Applications

Third International Workshop, CANPC'99, Orlando, Florida, USA, January 9th, 1999, Proceedings

Clusters of workstations/PCs connected by off-the-shelf networks have become popular as a platform for cost-effective parallel computing. Hardware and software technological advances have made this network-based parallel computing platform feasible. A large number of research groups from academia and industry are working to enhance the capabilities of such a platform, thereby improving its cost-effectiveness and usability. These developments are facilitating the migration of many existing applications as well as the development of new applications on this platform. Continuing in the tradition of the two previously successful workshops, this 3rd Workshop on Communication, Architecture and Applications for Network-based Parallel Computing (CANPC'99) has brought together researchers and practitioners working in architecture, system software, applications and performance evaluation to discuss state-of-the-art solutions for network-based parallel computing systems. This workshop has become an excellent forum for timely dissemination of ideas and healthy interaction on topics at the cutting edge in cluster computing technology. Each submitted paper underwent a rigorous review process, and was assigned to at least 3 reviewers, including at least 2 program committee members. Each paper received at least 2 reviews, most received 3 and some even had 4 reviews.

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