

High Performance Computing Systems and Applications

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High Performance Computing Systems and Applications contains a selection of fully refereed papers presented at the 14th International Conference on High Performance Computing Systems and Applications held in Victoria, Canada, in June 2000. This book presents the latest research in HPC Systems and Applications, including distributed systems and architecture, numerical methods and simulation, network algorithms and protocols, computer architecture, distributed memory, and parallel algorithms. It also covers such topics as applications in astrophysics and space physics, cluster computing, numerical simulations for fluid dynamics, electromagnetics and crystal growth, networks and the Grid, and biology and Monte Carlo techniques.

High Performance Computing Systems and Applications is suitable as a secondary text for graduate level courses, and as a reference for researchers and practitioners in industry.

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