

Table of Contents

Resource Provisioning in SLA-Based Cluster Computing	1
<i>Kaiqi Xiong and Sang Suh</i>	
An Advance Reservation-Based Co-allocation Algorithm for Distributed Computers and Network Bandwidth on QoS-Guaranteed Grids	16
<i>Atsuko Takefusa, Hidemoto Nakada, Tomohiro Kudoh, and Yoshio Tanaka</i>	
A Greedy Double Auction Mechanism for Grid Resource Allocation	35
<i>Ding Ding, Siwei Luo, and Zhan Gao</i>	
Risk Aware Overbooking for Commercial Grids	51
<i>Georg Birkenheuer, André Brinkmann, and Holger Karl</i>	
The Gain of Resource Delegation in Distributed Computing Environments	77
<i>Alexander Fölling, Christian Grimme, Joachim Lepping, and Alexander Papaspyprou</i>	
A Moldable Online Scheduling Algorithm and Its Application to Parallel Short Sequence Mapping	93
<i>Erik Saule, Doruk Bozdağ, and Umit V. Catalyurek</i>	
Dynamic Proportional Share Scheduling in Hadoop.....	110
<i>Thomas Sandholm and Kevin Lai</i>	
The Importance of Complete Data Sets for Job Scheduling Simulations	132
<i>Dalibor Klusáček and Hana Rudová</i>	
Hierarchical Scheduling of DAG Structured Computations on Manycore Processors with Dynamic Thread Grouping	154
<i>Yinglong Xia, Viktor K. Prasanna, and James Li</i>	
Multiplexing Low and High QoS Workloads in Virtual Environments ...	175
<i>Sam Verboven, Kurt Vanmechelen, and Jan Broeckhove</i>	
Proposal and Evaluation of APIs for Utilizing Inter-Core Time Aggregation Scheduler	191
<i>Satoshi Yamada and Shigeru Kusakabe</i>	
Using Inaccurate Estimates Accurately	208
<i>Dan Tsafrir</i>	
Author Index	223