



Computational Science: ICCS 2008

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Springer. Paperback. Condition: New. 758 pages. Dimensions: 9.2in. x 5.9in. x 1.1in. Martin Walker: NewParadigmsforComputationalScience Yong Shi: MultipleCriteriaMathematicalProgrammingandDataMining Hank Childs: Why Petascale Visualization and Analysis Will Change the Rules Fabrizio Gagliardi: HPCopportunitiesandChallengesine-Science Pawel Gepner: IntelTechnologyVisionandProductsforHPC Jarek Nieplocha: IntegratedDataandTaskManagementforScientific- plications Neil F. Johnson: WhatDoFinancialMarkets, WorldofWarcraft, andthe War in Iraq, all Have in Common Computational Insights into Human CrowdDynamics We would like to thank all keynote speakers for their interesting and inspiring talks and for submitting the abstracts and papers for these proceedings. Fig. 1. Number of papers in the general track by topic The main track of ICSS 2008 was divided into approximately 20 parallel sessions (see Fig. 1) addressing the following topics: 1. e-Science Applications and Systems 2. Scheduling and Load Balancing 3. Software Services and Tools Preface VII 4. New Hardware and Its Applications 5. Computer Networks 6. Simulation of Complex Systems 7. Image Processing and Visualization 8. Optimization Techniques 9. Numerical Linear Algebra 10. Numerical Algorithms papers 25 23 19 20 17 14 14 15 10 10 10 9 10 8 8 8 7 5 0 Fig. 2. Number of papers in workshops The conference included the following workshops (Fig. 2): 1. 7th Workshop on Computer Graphics...



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