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Scale Applications -- Workshop on Tools for Program Development and Analysis in Computational Science -- Workshop on Modern Technologies for Web-Based Adaptive Systems -- Workshop on Agent Day 2004 – Intelligent Agents in Computing Systems -- Workshop on Dynamic Data Driven Applications Systems -- Workshop on HLA-Based Distributed Simulation on the Grid -- Workshop on Interactive Visualisation and Interaction Technologies -- Workshop on Computational Modeling of Transport on Networks -- Workshop on Modeling and Simulation in Supercomputing and Telecommunications -- Workshop on QoS Routing -- Workshop on Evolvable Hardware.

Sommario/riassunto

The International Conference on Computational Science (ICCS 2004) held in Kraków, Poland, June 6–9, 2004, was a follow-up to the highly successful ICCS 2003 held at two locations, in Melbourne, Australia and St. Petersburg, Russia; ICCS 2002 in Amsterdam, The Netherlands; and ICCS 2001 in San Francisco, USA. As computational science is still evolving in its quest for subjects of investigation and efficient methods, ICCS 2004 was devised as a forum for scientists from mathematics and computer science, as the basic computing disciplines and application areas, interested in advanced computational methods for physics, chemistry, life sciences, engineering, arts and humanities, as well as computer system vendors and software developers. The main objective of this conference was to discuss problems and solutions in all areas, to identify new issues, to shape future directions of research, and to help users apply various advanced computational techniques. The event harvested recent developments in computational grids and next generation computing systems, tools, advanced numerical methods, data-driven systems, and novel application fields, such as complex systems, finance, econophysics and population evolution.
