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Data Management in Cloud, Grid and P2P Systems

5th International Conference, Globe 2012
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Proceedings



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Preface

Globe is now an established conference on data management in cloud, grid, and peer-to-peer systems. These systems are characterized by high heterogeneity, high autonomy and dynamics of nodes, decentralization of control and large-scale distribution of resources. These principal characteristics bring new dimensions and difficult challenges to tackling data management problems. The still open challenges to data management in cloud, grid, and peer-to-peer systems are multiple, such as scalability, elasticity, consistency, security, and autonomic data management.

The 5th International Conference on Data Management in Cloud, Grid, and P2P Systems (Globe 2012) was held during September 5–6, 2012, in Vienna, Austria. The Globe Conference provides opportunities for academics and industry researchers to present and discuss the latest data management research and applications in cloud, grid and peer-to-peer systems.

Globe 2012 received 15 papers from 12 countries. The reviewing process led to the acceptance of nine papers for presentation at the conference and inclusion in this LNCS volume. Each paper was reviewed by at least two Program Committee members. The selected papers focus mainly on data management (e.g., data storage, transaction monitoring, security) and MapReduce applications in the cloud, data stream systems, and distributed data mining.

The conference would not have been possible without the support of the Program Committee members, external reviewers, members of the DEXA Conference Organizing Committee, and the authors. In particular, we would like to thank Gabriela Wagner and Roland Wagner (FAW, University of Linz) for their help in the realization of this conference.

June 2012

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