Ryszard Kowalczyk (Ed.)

Conference Proceedings

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Preface

This volume consists of proceedings of the 4th International Conference on Grid Service Engineering and Management (GSEM 2007) that was held in conjunction with Software Agents and Services for Business, Research, and E-Sciences (SABRE 2007) in Leipzig, Germany on 24-27 September 2007.

The Grid has emerged as a global platform to support on-demand virtual organizations for coordinated sharing of distributed data, applications and processes. Service orientation of the Grid also makes it a promising platform for seamless and dynamic development, integration and deployment of service-oriented applications. The application components can be discovered, composed and delivered within a Grid of services, which are loosely coupled to create dynamic business processes and agile applications spanning organizations and computing platforms. The technologies contributing to such Grids of services include Web Services, Semantic Web, Grid Computing, Component Software, and Agent Technology.

The GSEM 2007 conference provided an international forum for presenting the latest theoretical and practical results in technology solutions for engineering and management of Grid services and service-oriented applications. The conference aimed at bringing together researchers and practitioners from diverse fields and interests, including Web Services, Semantic Web, Grid infrastructures, software components, workflow, agent technologies and service management, and those looking for new business and research cooperation opportunities in the area of Grid services and service-oriented applications.

These proceedings present the 10 best papers accepted at GSEM 2007 as a result of the thorough peer review process. In total, 22 submissions were reviewed by at least two members of the international program committee and assessed by the conference chairs. The final acceptance decisions were based on the technical merits and quality of submissions. The papers selected for presentation at the conference present some of the most interesting latest developments in the areas of architecture, composition, security and management of grid services.

We would like to take this opportunity to thank all members of the International Program Committee for their excellent work, effort, and support in ensuring the high-quality program and successful outcomes of the GSEM 2007 conference. Finally, our thanks go to the German Computer Society (Gesellschaft für Informatik) for their cooperation and help in putting this volume together.

August 2007

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