

Preface

The sixth Austrian-Hungarian Workshop on Distributed and Parallel Systems is organized jointly by University of Innsbruck and the MTA SZTAKI Computer and Automation Research Institute. The series of workshops started as a small regional meeting early in the nineties, and since then it evolved a lot and became an acknowledged international scientific event. The scope of the workshop has changed as well during the years following the new trends in technology. The first workshop was dedicated to transputers whereas in recent years, just like this year, it is tagged with cluster and grid computing.

This year the workshop attracted authors from Europe, North-America, Africa and Asia. To continue the recent trends in improving the quality of the workshop, around 52% of the submitted papers were accepted after a thorough review process. These papers are presented in this volume and give a good overview of recent advances in various aspects of parallel and distributed computing. The proceedings is composed of five parts according to the major topics of the workshop – albeit they cover a much broader range in this field. Part I is devoted to general algorithmic aspects of parallel and distributed computing. Communication is a fundamental issue in distributed computing addressed in Part II. The rest of the papers are directly or indirectly related to grid computing: Part III introduces its service oriented questions; Part IV raises various crucial questions tied to the infrastructure whereas Part V presents the most abstract papers introducing advanced problems and challenges of grid computing.

There were two invited talks at the workshop delivered by Leif Laaksonen introducing grid computing in Finland and Nordic collaboration and by Peter Coveney about attracting computational scientist to grid computing by middlewares that simplify user interaction.

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Péter Kacsuk
Workshop Chair

Thomas Fahringer
Program Co-chair

Zsolt Németh
Program Co-chair

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Kacsuk, P.; Fahringer, Th.; Nemeth, Z. (Eds.)

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