Foreword

This year's Active Middleware Services Workshop brought together a unique combination of researchers working on middleware for a wide variety of concepts, capabilities, and services in wide-area, distributed environments. As dominant practices and de facto standards emerge for these environments, commonly called grids, the need and ability of middleware to effectively utilize them and deliver enhanced and specialized capabilities will grow tremendously. It is the goal of the AMS workshop to facilitate this process. We greatly thank Dr. Frederica Darema of the National Science Foundation for her continuing support of this workshop in achieving this goal.

This year AMS featured a special session of invited papers on Next Generation Software systems. This session included papers on middleware for automated performance modeling, network storage, and distributed simulation. Middleware using active networks was strongly represented in the areas of controlling resource usage, encryption, and time management. Other network services were reported in papers on distributed event systems, managing active/adaptive web content, and security. Finally, work was reported on managing access to very large grid data stores, network files, and mobile agents.

We are very pleased that Prof. Peter Reiher of UCLA will be the Program Chair in 2002. His leadership assures another successful year. AMS 2002 will also be part of a very busy week. During July 21-26, the Fifth Global Grid Forum (GGF-5), the Eleventh International Symposium on High-Performance Distributed Computing (HPDC-11), and AMS 2002, will all be co-located in Edinburgh, Scotland. This will provide a unique opportunity to evaluate the latest work and explore the possibilities for new work in active/adaptive middleware for all manner of grids and high performance applications.

These proceedings are one more step on the path to the future. We look forward to seeing you in Edinburgh!

AMS 2001 Program Chair
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