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Mobile Agents

First International Workshop, MA '97
Berlin, Germany, April 7-8, 1997
Proceedings



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Preface

Mobile Agents offer unique opportunities for structuring and implementing distributed systems. A wide range of applications has been identified for mobile agent technology, including electronic commerce, telecommunication services, network management, group work, and work flow management.

These proceedings contain the papers chosen for presentation at the 1st International Workshop on Mobile Agents, held in conjunction with ISADS '97 in Berlin, Germany, April 7-8, 1997. The workshop addresses various aspects of software agents, including agent models and languages, agent platforms, and applications of agent technology. The contributions primarily focus on aspects related with agent mobility — the ability of software entities to migrate from node to node in a computer network.

The Call for Papers attracted 34 submission from 12 countries. Of these submission the program committee accepted 18 papers to be presented at the workshop. Moreover, it was decided to organize a panel discussion on security in mobile agent systems. The 6 paper sessions of the workshop cover

- applications of mobile agent technology,
- system architectures and platforms,
- inter-agent communication,
- mobility issues and persistence
- control and management of mobile agent systems.

Many people have contributed to make MA'97 and these proceedings a reality. We express our thanks to all authors who submitted papers, and the members of the program committee who reviewed them on the basis of originality, relevance, presentation, and technical quality. We would also like to thank F. Hohl, S. Krause, and V. Tschammer, who did an excellent job in organizing the workshop.

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