

Preface

Research on agents and multi-agent systems has matured during the last decade and many effective applications of this technology are now deployed. An international forum to present and discuss the latest scientific developments and their effective applications, to assess the impact of the approach, and to facilitate technology transfer became a necessity and was created a few years ago.

PAAMS, the International Conference on Practical Applications of Agents and Multi-Agent Systems, is the international yearly tribune to present, to discuss, and to disseminate the latest developments and the most important outcomes related to real-world applications. It provides a unique opportunity to bring multi-disciplinary experts, academics, and practitioners together to exchange their experience in the development and deployment of agents and multi-agent systems.

This volume presents the papers that were accepted for the 2016 edition of PAAMS. These articles report on the application and validation of agent-based models, methods, and technologies in a number of key application areas, including: daily life and real world, energy and networks, humans and trust, markets and bids, models and tools, negotiation and conversation, scalability and resources. Each paper submitted to PAAMS went through a stringent peer review by three members of the Program Committee composed of 97 internationally renowned researchers from 24 countries. From the 45 submissions received, nine were selected for full presentation at the conference; another 10 papers were accepted as short presentations. In addition, a demonstration track featuring innovative and emergent applications of agent and multi-agent systems and technologies in real-world domains was organized. In all, 16 demonstrations were shown, and this volume contains a description of each of them.

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