Preface

This proceeding is the collection of papers accepted for publication at the IEEE International Symposium on Policies for Distributed Systems and Networks (POLICY 2011), held in Pisa, Italy, in June 2011.

The symposium brings together researchers and practitioners working on policy-based systems across a wide range of application domains including policy-based networking, privacy, trust and security management, autonomic computing, pervasive systems and enterprise systems.

POLICY 2011 is the twelfth in a series of successful events, which have provided a forum for discussion and collaboration between researchers, developers and users of policy-based systems.

Over the past 12 years, research in the area of policy-based management has matured from approaches to specifying and enforcing policies in experimental settings to issues of policy analysis, refinement and evaluation, including refinement of (business) requirements to policies, automated policy generation and the usability of policy-based management. At the same time, the applications of policy-based techniques have expanded from networking and security to cover the domains of privacy, autonomic and pervasive computing, identity management, personalization, healthcare information management, and organizational modelling. In recognition of this evolution, this year’s programme includes a special section on policy-based techniques in support of Cloud Computing and Enterprise Service Oriented applications as well as the use of reasoning, verification and learning techniques in policy-based systems.

The large number of high quality submissions demonstrates the strong interest in the concept of policy across the networks and distributed systems research community. We had a total of 91 submissions, and after a rigorous review process, 15 full papers and 14 short papers were accepted. Additionally, the programme includes demonstrations of policy-based technologies being used in data management, access control systems, sensor network management, business processes adaptation and governance in Service Oriented Architecture.

We would like to extend our thanks to the many people who have made this symposium a success. We are grateful to the members of the steering committee and program committee for their guidance and rigorous reviewing, the Publicity Chair Ryan Wishart and members of the local organising committee for handling the publicity and local arrangements of the symposium. We are thankful to the IEEE for their support of this conference over the years. We are also grateful for the financial support provided by IBM Research and the Consiglio Nazionale delle Ricerche of Pisa.

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