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, autonomous computing, pervasive systems and enterprise systems. POLICY 2011 is the 12th in a series of successful events, which have provided a forum for discussion and collaboration between researchers, developers and users of policy-based systems.

In addition to the areas mentioned above, we specifically encourage this year contributions 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. Topics of interest include, but are not limited to the following:

Privacy and Security
- Frameworks and tools
- Deployment and enforcement architecture
- Refinement of requirements into policies
- Inconsistency Detection and resolution
- Usability of policy-based privacy and security management tools

Policy Applications
- Federated policy management
- Case studies of policy-based management
- Policy-based resource allocation, autonomic computing,
- Policy-based systems for cloud computing, and service oriented applications
- Policy-based networking, including collaborative security, pervasive computing, and mobile systems
- Policy-based Semantic Web applications
- Business rules and organizational modelling
- Policy Metrics
- Cross-domain policy coordination and negotiation
- Scalability of policy-based management
- Architectures of policy-based management systems
- Policy Learning and automated policy generation

Policy Models and Languages
- Abstract models and languages for policy specification
- Semantic Web rule languages for policy reasoning
- Policy standards
- Formal semantics of policies
- Methodologies and tools for specifying, analyzing, refining, and evaluating policies
- Detection and resolution of policy conflicts
- Policy negotiation models
- Representation of belief, trust, and risk in policy
- Policy visualization
- Usability of policy languages and representations

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