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Agent-based Computing addresses the challenges in managing distributed computing systems and networks through monitoring, communication, consensus-based decision-making and coordinated actuation. As a result, intelligent agents and multi-agent systems have demonstrated the capability to use intelligence, knowledge representation and reasoning, and other social metaphors like ‘trust’, ‘game’ and ‘institution’, not only to address real-world problems in a human-like way but also to transcend human performance.

This has had a transformative impact in many application domains, particularly in e-commerce, and also in planning, logistics, manufacturing, robotics, decision support, transportation, entertainment, emergency relief & disaster management, and data mining & analytics. As one of the largest and still growing research fields of Computer Science, agent-based computing today remains a unique enabler of inter-, multi- and trans-disciplinary research.

The PRIMA 2015 Program Committee invites submissions of original, unpublished, theoretical and applied work on any such topic, and encourages reports on the development of prototype and deployed agent systems, and of experiments that demonstrate novel agent system capabilities.

Following the last events in Australia (PRIMA 2014), New Zealand (PRIMA 2013), and Malaysia (PRIMA 2012), the 18th Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2015) will take place in Bertinoro, FC, Italy from 26 to 30 October 2015.