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Nota di contenuto	Cloud Computing -- FLEX: A Slot Allocation Scheduling Optimizer for MapReduce Workloads -- Adapting Distributed Real-Time and Embedded Pub/Sub Middleware for Cloud Computing Environments -- BrownMap: Enforcing Power Budget in Shared Data Centers -- Data Management -- A Dynamic Data Middleware Cache for Rapidly-Growing Scientific Repositories -- Anonygator: Privacy and Integrity Preserving Data Aggregation -- Middleware for a Re-configurable Distributed Archival Store Based on Secret Sharing -- Publish-Subscribe

and Multicast Systems -- Parametric contingents for Content-Based Publish/Subscribe Networks -- Kevlar: A Flexible Infrastructure for Wide-Area Collaborative Applications -- FaReCast: Fast, Reliable Application Layer Multicast for Flash Dissemination -- Social and Location-Aware Middleware -- The Gossple Anonymous Social Network -- Prometheus: User-Controlled P2P Social Data Management for Socially-Aware Applications -- PerPos: A Translucent Positioning Middleware Supporting Adaptation of Internal Positioning Processes -- Reliability and Legacy -- dFault: Fault Localization in Large-Scale Peer-to-Peer Systems -- Bridging the Gap between Legacy Services and Web Services -- Trust and Security -- Enforcing End-to-End Application Security in the Cloud -- LiFTinG: Lightweight Freerider-Tracking in Gossip -- Distributed Middleware Enforcement of Event Flow Security Policy -- Transactional Memory -- Automatically Generating Symbolic Prefetches for Distributed Transactional Memories -- Asynchronous Lease-Based Replication of Software Transactional Memory.

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## Sommario/riassunto

We are pleased to welcome you to the eleventh edition of the Middleware conference. The program this year is a sign of the robustness, activity, and continued growth of the Middleware community. As computing technology around us has evolved rapidly over the past decade, our notions of middleware have also adapted so that we stay focused on the most challenging and relevant problems for the present and future. As a result, this year's program features papers that belong to both traditional areas as well as new directions. Cloud computing, social middleware, and transactional memory are some of the vanguard areas that you will find in this year's selection of papers. In addition, topics that have always been central to the community are also prominent this year, including publish-subscribe, multicast, reliability, legacy, location-awareness, trust, and security. The community's wise evolution reflects the dynamic role that middleware continues to play in the development of current software systems. The program underscores the competitive selection process applied by us and the technical program committee: out of 116 papers submitted this year, we accepted 18 for regular publication. In addition Middleware 2010 also includes a new category of "Big Ideas Papers," which are bold white papers with the potential to drive longer-term innovation in the field. We selected one "big ideas" paper this year. Our industrial track once again brings forth papers that explore middleware foundations in the context of industrial practice. Finally, multiple workshops and a doctoral symposium round off Middleware this year, making it an attractive conference for students, faculty, researchers, and practitioners.

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