TIME 2008

15th International Symposium on Temporal Representation and Reasoning
Université du Québec à Montréal, Canada
June 16–18, 2008

TIME 2008 aims to bring together researchers from distinct research areas involving the management of temporal data as well as the reasoning about temporal aspects of information.

This unique and well-established event further has as its objectives to bridge theoretical and applied research, as well as to serve as an interdisciplinary forum for exchange among researchers from the areas of artificial intelligence, database management, logic and verification, and beyond.

TIME 2008 encompasses three tracks, but has a single program committee. The conference will span three days, and will be organized as a combination of technical paper presentations, poster sessions, and keynote talks.

Topics

Temporal Representation and Reasoning in AI
Temporal aspects of agent- and policy-based systems, spatial and temporal reasoning, reasoning about actions and change, temporal languages for planning, ontologies of time and space-time, belief and uncertainty in temporal knowledge, temporal learning and discovery, time in problem solving (e.g. diagnosis, scheduling), time in human-machine interaction, temporal information extraction, time in natural language processing, spatio-temporal knowledge representation systems, spatio-temporal ontologies for the semantic web.

Temporal Database Management
Temporal data models and query languages, temporal query processing and indexing, temporal data mining, time series data management, stream data management, spatio-temporal data management, including moving objects, data currency and expiration, indeterminate and imprecise temporal data, temporal constraints, temporal aspects of workflow and ECA systems, real-time databases, time-dependent security policies, privacy in temporal and spatio-temporal data, temporal aspects of multimedia databases, temporal aspects of e-services and web applications, temporal aspects of distributed systems, novel applications of temporal database management, experiences with real applications.

Temporal Logic and Verification in Computer Science
Specification and verification of systems, verification of web applications, synthesis and execution, model checking algorithms, verification of infinite-state systems, reasoning about transition systems, temporal architectures, temporal logics for distributed systems, temporal logics of knowledge, hybrid systems and real-time logics, tools and practical systems, temporal issues in security.

Important Dates

Paper submission deadline:	January 11, 2008
Notification of acceptance:	February 26, 2008
Camera-ready papers due:	March 11, 2008
TIME 2008 Conference:	June 16–18, 2008

Accepted papers will be presented at the symposium and included in the proceedings, which will be published by the IEEE Computer Society Press.

Organizing Committee

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Alessandro Artale, Free University of Bozen/Bolzano, Italy

Program Committee Chairs
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Christian S. Jensen, Aalborg University, Denmark

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