

# TIME 2010

## 17th International Symposium on Temporal Representation and Reasoning

colocated with CONCUR'10

Paris (France), 6-8 September 2010

<http://www.lsv.ens-cachan.fr/Events/TIME10/>

### Important dates:

**Submission:** abstract 9 April 2010  
paper 12 April 2010  
**Notification:** 20 May 2010  
**Final paper due:** 4 June 2010  
**Symposium:** 6-8 September 2010

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Ian Pratt-Hartmann, *University of Manchester*

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### Organization Committee:

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**Presentation of the symposium.** The TIME symposium series is a well-established annual event that brings together researchers from all areas of computer science that involve temporal representation and reasoning. This includes, but is not limited to, artificial intelligence, temporal databases, and the verification of software and hardware systems. In addition to fostering interdisciplinarity, the TIME symposia emphasize bridging the gap between theoretical and applied research.

**Tracks and Topics.** TIME'10 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 lectures.  
– *Track 1: Temporal Representation and Reasoning in Artificial Intelligence:* temporal aspects of agent- and policy-based systems, spatial and temporal reasoning, reasoning about actions and change, planning and planning languages, 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.

– *Track 2: 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, 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

– *Track 3: 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.

**Invited speakers.** The program will include three keynote talks, given by the following invited speakers:

*Track 1:* Ian Hodkinson, *Imperial College London*

*Track 2:* Bart Kuijpers, *Hasselt University*

*Track 3:* Martin Leucker, *University of Munich*

**Submissions.** Submissions of high quality papers describing research results or on-going work are solicited. Submitted papers should contain original, previously unpublished content, should be written in English, and must not be simultaneously submitted for publication elsewhere.

Submitted papers will be refereed by at least three reviewers for quality, correctness, originality, and relevance. Accepted papers will be presented at the symposium and included in the proceedings, which will be published by the Conference Publishing Services (CPS). Acceptance of a paper is contingent on one author presenting the paper at the symposium.

Submissions should be in PDF format (with the necessary fonts embedded). They must be formatted according to the IEEE guidelines and must not exceed 8 pages; over-length submissions may be rejected without review.

Papers are submitted electronically via EasyChair:

<http://www.easychair.org/conferences/?conf=time10>

**Contact.** For more information related to submissions, reviewing and program, please contact [time10@lsv.ens-cachan.fr](mailto:time10@lsv.ens-cachan.fr). For questions related to local organization, please contact [time10-org@lsv.ens-cachan.fr](mailto:time10-org@lsv.ens-cachan.fr).