17th International Symposium on Temporal Representation and Reasoning

TIME 2010 – Paris, France
Programme

Monday 6 September

09:20-09:30   Welcome
09:30-10:30   Martin Leucker & César Sánchez (Invited lecture)  (Chair: N. Markey)  Regular Linear-time Temporal Logic
10:30-11:00   Coffee break
11:00-12:30   Martin C. Cooper, Frédéric Maris & Pierre Régnier (Chair: A. Montanari)  Solving Temporally-Cyclic Planning Problems
              Luke Hunsberger  A Fast Incremental Algorithm for Managing the Execution of Dynamically Controllable Temporal Networks
              Carlo Combi & Roberto Posenato  Towards Temporal Controllabilities for Workflow Schemata
12:30-14:00   Lunch break
14:00-15:30   Luca Anselma, Paolo Terenziani & Richard T. Snodgrass (Chair: S. Demri)  Valid-Time Indeterminacy in Temporal Relational Databases: A Family of Data Models
              Kostas Patroumpas & Timos Sellis  Multi-granular Time-based Sliding Windows over Data Streams
              Hang Yue, Elizabeth Jones & Peter Revesz  Local Polynomial Regression Models for Vehicle Speed Estimation and Forecasting in Linear Contraint Databases
15:30-16:00   Coffee break
16:00-17:30   Sumesh Divakaran, Deepak D’Souza & Raj Mohan Matteplackel (Chair: B. Bérard)  Conflict-Tolerant Real-time Specifications in Metric Temporal Logic
              Marcello Maria Bersani, Achille Frigeri, Angelo Morzenti, Matteo Pradella, Matteo Rossi & Pierluigi San Pietro  Bounded Reachability for Temporal Logic over Constraint Systems
              François Laroussinie, Antoine Meyer and Eudes Petonnet  Counting LTL
17:30-18:30   Steering committee meeting
Tuesday 7 September

09:30-10:30  Ian Hodkinson  (Invited lecture)  
(Chair: I. Pratt-Hartmann)  
Interval Temporal Logics with Chop-like Operators

10:30-11:00  Coffee break

11:00-12:30  Massimo Benerecetti, Stefano Minopoli & Adriano Peron  
(Chair: F. Laroussinie)  
Analysis of Timed Recursive State Machines
Béatrice Bérard, Serge Haddad & Mathieu Sassolas  
Real Time Properties for Interrupt Timed Automata
Sandie Balaguer, Thomas Chatain & Stefan Haar  
A Concurrency-Preserving Translation from Time Petri Nets to Networks of Timed Automata

12:30-14:00  Lunch break

14:00-15:30  Sergios Petridis, Georgios Paliouras & Stavros Perantonis  
(Chair: C. Dixon)  
Allen’s hourglass: probabilistic treatment of interval relations
Davide Bresolin, Dario Della Monica, Angelo Montanari, Pietro Sala & Guido Sciavicco  
A decidable spatial generalization of Metric Interval Temporal Logic
Lamia Belouaer, Maroua Bouzid & Abdel-Illah Mouaddib  
Ontology-Based Spatial Planning for Human-Robot Interaction

15:30-16:00  Coffee break

19:00-24:00  Conference Dinner

Wednesday 8 September

09:30-10:30  Bart Kuijpers  (Invited lecture)  
(Chair: J. Wijsen)  
Dealing with uncertainty in trajectory databases

10:30-11:00  Coffee break

11:00-12:30  John McCabe-Dansted and Clare Dixon  
(Chair: D. Bresolin)  
CTL-Like Fragments of a Temporal Logic of Robustness
Philippe Balbiani  
Axiomatizing the temporal logic defined over the class of all lexicographic products of dense linear orders without endpoints
Angelo Montanari, Ian Pratt-Hartmann and Pietro Sala  
Decidability of the Logic of the Reflexive Sub-interval Relation over Finite Linear Orders

12:30-14:00  Lunch break
Conference venue

TIME 2010 will be held at University Paris-Diderot, in the 13th district of Paris. The conference room will be in the Buffon building (located at numer 15 of Hélène-Brion street).

The conference site is easily reached by public transportation:

- Station “Bibliothèque François Mitterrand” (RER C or Metro 14), on the upper right corner of the map above. Exit on “Avenue de France” or “Rue des Grands Moulins”, walk on “Avenue de France” and turn left on “Rue Hélène Brion” (5 minutes).

- Station “Chevaleret” (Metro 6), not on the map: walk on “Rue du Chevaleret” (15 minutes), until you reach a small tunnel under “Rue de Tolbiac”. On the left after the tunnel, go up the stairs, and reach “Bibliothèque François Mitterrand”. Then see above.

- Several buses also stop at “Bibliothèque François Mitterrand”:
  - Bus 62 from “Alésia”, “Tolbiac”, ...
  - Bus 64 from “Place d’Italie”;
  - Bus 89 from “Luxembourg”, “Austerlitz”, ...
Transportation in Paris

Metro:

There are mainly two kinds of tickets for tourists.

- The “T+ ticket” (or “metro ticket”) allows you to travel on metro lines, RER lines within Paris (zone 1) and in bus line. With one ticket, you have one trip (connexions metro/metro, metro/RER and bus/bus are allowed, but not bus/metro). You can buy T+ tickets at metro stations. The price of one ticket T+ is 1,70€ and a book of 10 T+ tickets costs 12€.

- The “Paris Visite” travel card allows to make unlimited and unrestricted trips. The Paris Visite card is valid for 1, 2, 3 or 5 consecutive days in zones 1-3 (Paris and close suburbs). You can use it in metro lines, RER lines and bus lines. You can purchase your Paris Visite travel card from metro stations. The price for one day is 9.00€, for two days is 14.70€, three days is 20.00€, and for five days, the price is 28.90€.

Notice that there will be a strike on Tuesday 7 September. Be prepared to be squashed up in the metro, as only few of them will be running. More information will be given when available.

Bike (Velib’):

You can rent a bike at a “velib” station. A 1-day ticket costs 1€. With this ticket, you can rent a bike: the first 30 minutes are for free, then it costs 1€ for the next 30 minutes. Be extra careful as Paris drivers are not always very smart towards bikers.

Taxi:

You can catch a taxi in the street, at a taxi station, or call 08.91.70.10.10 or 36.07 to book one. The fares depend on the time at which you take the taxi, but are around 1.10€ per kilometer (within Paris), plus a base fare of 2.20€. Be sure to hire a real taxi, with a sign “TAXI PARISIEN”. Also, be prepared to pay by cash, as not all taxis are equipped with a credit-card terminal.
Other informations

WiFi access:

The conference room is equipped with WiFi. Connection details will be given during the conference.

Restaurants:

Lunchs are included in TIME’10 registration, as well as the conference dinner. For the other dinners, we include a short list of restaurants that we can recommand:


▶ Bistrot Beaubourg (French Bistrot)  25 Rue de Quincampoix, 75004 Paris, Metro Rambuteau or Châtelet. Cheap restaurant serving classical French brasserie food (steaks, andouillette, pot au feu, etc.). Nice atmosphere (maybe a bit noisy inside).

▶ Galerie 88  88 Quai de l’Hôtel de Ville, 75004 Paris, Metro Hôtel de Ville. Small restaurant close to Hôtel de Ville. Very nice salads, and cheap!

▶ Crêperie de Cluny  20, rue de la Harpe, 75005 Paris, Metro Saint-Michel. You can find there all kinds of pancakes (from Bretagne) for lunch or dinner.

▶ La Coupole (French Brasserie)  102 Boulevard du Montparnasse, 75014 Paris, Metro Vavin. large choice of sea fruits, Art-Deco style: several famous artists from Montparnasse have participated to the decoration of the restaurant. A table can be booked by phoning at 01.43.20.14.20 (booking is not compulsory).
Conference dinner

The conference dinner will take place on Tuesday evening at

Musée du vin (Wine Museum)
Rue des Eaux
75016 Paris

Before the dinner, we will have a visit in the museum, and taste some wine. The dinner will then take place in one of the vaulted wine cellars of the Museum.

The museum is easily reached by public transportation (when available...):

- Metro 6 takes you from Place d’Italie (close to the conference venue) to Passy station. Then go down the stairs, turn right, cross the gate and turn right again. The museum is at the end of “Rue des Eaux”.

- RER C goes from Bibliotheque-François Mitterrand to Champ de Mars-Tour Eiffel. From there, cross the River Seine, take the pedestrian bridge (or not) and keep walking under the metro. When you reach the stairs to the metro station, go left, cross the gate, and go right on “Rue des Eaux”.

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List of participants  (as of 3 September)

- Luca Anselma  
  University of Torino (Italy)

- Sandie Balaguer  
  ENS Cachan (France)

- Philippe Balbiani  
  IRIT Toulouse (France)

- Lamia Belouaer  
  University of Caen (France)

- Béatrice Bérard  
  University Paris 6 (France)

- Marcello Maria Bersani  
  Politecnico di Milano (Italy)

- Romain Brenguier  
  ENS Cachan (France)

- Davide Bresolin  
  University of Verona (Italy)

- Thomas Chatain  
  ENS Cachan (France)

- Carlo Combi  
  University of Verona (Italy)

- Dario Della Monica  
  University of Udine (Italy)

- Stéphane Demri  
  ENS Cachan (France)

- Clare Dixon  
  University of Liverpool (UK)

- Achille Frigeri  
  Politecnico di Milano (Italy)

- Ian Hodkinson  
  Imperial College London (UK)

- Luke Hunsberger  
  Vassar College (USA)

- Elizabeth Jones  
  University of Nebraska-Lincoln (USA)

- Bart Kuijpers  
  Hasselt university (Belgium)

- François Laroussinie  
  University Paris 7 (France)

- Martin Leucker  
  TU München (Germany)

- Frédéric Maris  
  IRIT Toulouse (France)

- Nicolas Markey  
  ENS Cachan (France)

- Raj Mohan Matteplackel  
  IISc. Bangalore (India)

- Stefano Minopoli  
  University of Napoli (Italy)

- Angelo Montanari  
  University of Udine (Italy)

- Konstantinos Patroumpas  
  University of Athens (Greece)

- Eudes Petonnet  
  University Paris 7 (France)

- Sergios Petridis  
  NCSR 'Demokritos', Athens (Greece)

- Mathieu Peybernes  
  CEA Arpajon (France)

- Roberto Posenato  
  University of Verona (Italy)

- Ian Pratt-Hartmann  
  University of Manchester (UK)

- Vladislav Ryzhikov  
  Free University of Bolzano (Italy)

- Pietro Sala  
  University of Verona (Italy)

- Arnaud Sangnier  
  University Paris 7 (France)

- Mathieu Sassolas  
  University Paris 6 (France)

- Jef Wijsen  
  University of Mons (Belgium)