

**Monday**

- 8:30-9:20 Registration
- 9:20-9:30 Opening
- 9:30-11:00 **Invited keynote** (chaired by Sven Schewe)
- Plan and Program Synthesis: A New Look at Some Old Problems  
*Sheila McIlraith (University of Toronto, Canada)*
- 11:00-11:30 Coffee break
- 11:30-12:30 **Paper session 1: Applications I** (chaired by Luke Hunsberger)
- Constraint Identification Using Modified Hoare Logic on Hybrid Models of Gene Networks  
*Jonathan Behaegel, Jean-Paul Comet and Maxime Folschette*
  - Models and Algorithms for Chronology  
*Gilles Geeraerts, Eythan Levy and Frédéric Pluquet*
- 12:30-14:00 Lunch in the “Salle des Conseils”
- 14:00-15:30 **Paper session 2: Temporal Logic** (chaired by Stéphane Demri)
- On Expressiveness of Halpern-Shoham Logic and its Horn Fragments  
*Przemyslaw Andrzej Walega*
  - CTL with Finitely Bounded Semantics  
*Valentin Goranko, Antti Kuusisto and Raine Rönnholm*
  - The Fully Hybrid  $\mu$ -Calculus  
*Daniel Kernberger and Martin Lange.*
- 15:30-16:00 Coffee break
- 16:00-17:30 **Paper session 3: Constraints** (chaired by Carlo Combi)
- Dynamic Controllability Made Simple  
*Massimo Cairo and Romeo Rizzi*
  - Collective Singleton-Based Local Consistency for Qualitative Constraint Networks  
*Michael Sioutis, Anastasia Paparrizou and Jean-François Condotta*
  - The Time Ontology of Allen’s Interval Algebra  
*Michael Gruninger and Zhuojun Li*
- 18:00-20:00 **Welcome reception in the Mundaneum museum** (situated at Rue de Nimy 76)

**Tuesday**

- 9:00-10:30 **Invited keynote** (chaired by Jef Wijsen)
- Ontology-Mediated Query Answering over Temporal Data: A Survey  
*Alessandro Artale (Free University of Bozen-Bolzano, Italy)*
- 10:30-11:00 Coffee break
- 11:00-12:30 **Paper session 4: Automata and Games** (chaired by Véronique Bruyère)
- Timed-Automata-Based Verification of MITL over Signals  
*Thomas Brihaye, Gilles Geeraerts, Hsi-Ming Ho and Benjamin Monmege*
  - Hierarchical Cost-Parity Games  
*Laura Bozzelli, Aniello Murano, Giuseppe Perelli and Loredana Sorrentino*
  - Time Dependent Policy-Based Access Control  
*Panagiotis Vasilikos, Flemming Nielson and Hanne Riis Nielson*
- 12:30-14:00 Lunch in the “Salle des Conseils”
- 14:00-15:30 **Paper session 5: Applications II** (chaired by Sheila McIlraith)
- Similarity Search for Spatial Trajectories Using Online Lower Bounding DTW and Presorting Strategies  
*Marie Kiermeier and Martin Werner*
  - Dynamic Purpose Decomposition of Mobility Flows Based on Geographical Data  
*Etienne Thuillier, Laurent Moalic and Alexandre Caminada*
  - Time Expressions Recognition with Word Vectors and Neural Networks  
*Mathias Etcheverry and Dina Wonsever*
- 17:00-22:00 **Excursion and dinner**
- Excursion starts at 17:00 at visitMons (tourism office), Grand-Place 27
  - Banquet starts around 19:00 at hotel Dream, Rue de la Grande Triperie 17

**Wednesday**

- 9:00-10:30 **Invited keynote** (chaired by Sven Schewe)
- Advances in Quantitative Analysis of Free-Choice Workflow Petri Nets  
*Javier Esparza (Technical University of Munich, Germany)*
- 10:30-11:00 Coffee break
- 11:00-12:30 **Paper session 6: Temporal Databases and Queries** (chaired by Alessandro Artale)
- A Relational Algebra for Streaming Tables Living in a Temporal Database World  
*Fabio Grandi, Federica Mandreoli, Riccardo Martoglia and Wilma Penzo*
  - Evaluation of Temporal Datasets via Interval Temporal Logic Model Checking  
*Dario Della Monica, David de Frutos-Escrig, Angelo Montanari, Aniello Murano and Guido Sciavicco*
  - Possible and Certain Answers for Queries over Order-Incomplete Data  
*Antoine Amarilli, Mouhamadou Lamine Ba, Daniel Deutch and Pierre Senellart*
- 12:30-14:00 Lunch in the “Salle des Conseils”
- 14:00-15:30 **Paper session 7: Temporal Networks** (chaired by Guido Sciavicco)
- Conditional Simple Temporal Networks with Uncertainty and Decisions  
*Matteo Zavatteri*
  - Incorporating Decision Nodes into Conditional Simple Temporal Networks  
*Massimo Cairo, Carlo Combi, Carlo Comin, Luke Hunsberger, Roberto Posenato, Romeo Rizzi and Matteo Zavatteri*
  - A Streamlined Model of Conditional Simple Temporal Networks  
*Massimo Cairo, Luke Hunsberger, Roberto Posenato and Romeo Rizzi*
- 15:30-15:45 Closing remarks