

# PROGRAMME<sup>1</sup>

**Monday 28/04/14**

Words and logics - Chair : J.E. Pin

8H 30-9H 30	Thomas Place <i>Separation : What can it do for you ?</i> <i>Deciding levels 2 and 5/2 in the first-order quantifier alternation hierarchy.</i>
9H 30-10H	Marc Zeitoun <i>Separation by first-order logic.</i>
10H-10H 30	Lorijn van Rooijen <i>Separation by the 2-variable fragment of first-order logic.</i>

10H 30-11H : Pause

11H-11H 30	Gabriele Puppis <i>On the use of guards for logics with data.</i>
11H 30-12H	Arthur Milchior <i>Deterministic automata, numbers, and weak logic.</i>
12H -12H 30	Luc Dartois <i>Adding Modular Predicates.</i>

12H 30 : Lunch

Varieties - Chair : P. Weil

14H-14H 45	Jorge Almeida <i>On fixed points of the lower set operator.</i>
14H 45-15H 15	Mai Gehrke and Jean-Éric Pin <i>From profinite words to ultrafilters on words : a research programme.</i>
15H 15-15H 45	Sam van Gool <i>The boundedness problem : towards a duality approach.</i>

15H 45-16H 15 : Pause

Games-Probabilities - Chair : M. Zeitoun

16H 15-17H	Hugo Gimbert <i>Two-Player Perfect-Information Shift-Invariant Submixing Stochastic Games Are Half-Positional.</i>
17H -17H 45	Manfred Kufleitner <i>Ehrenfeucht Fraisse Games on Omega-Terms.</i>
17H 45-18H 30	Emmanuel Jeandel <i>Decision problems for matrix automata.</i>
18H 30-19H	Nathanael Fijalkow <i>Profinite Techniques for Probabilistic Automata.</i>

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1. last update : 16 avril 2014

19H 30 : Diner

## Tuesday 29/04/14

Terms and graphs - Chair : T. Colcombet

9H-9H 45	Namit Chaturvedi <i>Toward a Structure Theory of Regular Infinitary Trace Languages.</i>
9H 45-10H 30	Bruno Courcelle <i>Recognizable sets of graphs : algebraic and logical aspects.</i>

10H 30-11H Pause

11H-11H 45	Irène Durand <i>Courcelle's Theorem in Practice.</i>
11H 45-12H 15	Fabian Reiter <i>Graph acceptors and MSO logics.</i>

12H 30 : Lunch

Tree automata - Chair : I. Walukiewicz

14H-14H 45	Mikolaj Bojanczyk <i>MSO+U.</i>
14H 45-15H 15	Sylvain Salvati <i>tba.</i>
15H 15-15H 45	Pierre-Cyril Heam <i>Tree automata with a fixed number of constraints.</i>

15H 45-16H 15 : Pause

Term/Word rewriting - Chair : G. Sénizergues

16H 15-17H	Volker Diekert <i>Recognizable Languages are Church-Rosser Congruential.</i>
17H -17H 45	Thomas Genet <i>Towards static analysis of functional programs using term rewriting and tree automata.</i>
17H 45-18H 15	Lorenzo Clemente <i>Unified Analysis of Collapsible and Ordered Pushdown Automata via Term Rewriting.</i>

19H 30 : Diner - *Bouillabaisse*

Discussion : le Futur de REC - Chair : G. Sénizergues- Animation : J.E. Pin - P. Weil.

21H -...	All participants! <i>Perspectives for further research.</i>
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## Wednesday 30/04/14

Weighted automata - Chair : P. Weil

9H-9H 45	Sylvain Lombardy <i>Conjugacy and stabilization of weighted automata.</i>
9H 45-10H 15	Thomas Colcombet <i>Cost-functions and cost-automata.</i>

10H 15-10H 45 : Pause

10H 45-11H 15	Laure Daviaud <i>Asymptotic behaviour of max-plus and min-plus automata.</i>
11H 15-11H 45	Denis Kuperberg <i>Quasi-weak cost functions on infinite trees.</i>
11H 45-12H 15	Olivier Carton <i>Normality and Automata.</i>

12H 30 : Lunch