

MONS DAYS

OF THEORETICAL COMPUTER SCIENCE

30 th August – 2 nd September 2006

Wednesday 30 th of August Lecture Hall P

08:00 – 08:45	Registration
08:45 – 09:00	Opening : Raymond MARIE – Vice-President, University of Rennes 1
09:00 – 09:50	Invited talk : Jean BERSTEL – Marne-la-Vallée <i>Arbres sturmiens</i>
09:50 – 10:15	Coffee Break
10:15 – 10:40	Emilie CHARLIER, Michel RIGO – Liège <i>Structural properties of bounded languages with respect to multiplication by a constant</i>
10:40 – 11:05	Marie-Pierre BÉAL, Fabio BURDERI, Antonio RESTIVO <i>Regular coding partitions</i> – Marne-la-Vallée, Palermo
11:05 – 11:30	Tomi KÄRKI – Turku <i>Compatibility relations on codes and free monoids</i>
11:30 – 11:55	Stepán HOLUB – Praha <i>Parikh test sets for commutative languages</i>
11:55 – 14:00	Lunch
14:00 – 14:50	Invited talk : Wolfgang THOMAS – Aachen <i>The ordering of natural numbers with a unary predicate : Approaches to show decidability results</i>
14:50 – 15:15	Coffee Break

followed by two parallel sessions

First session Lecture Hall I 50

15:15 – 15:40	Giovanna D'AGOSTINO, Angelo MONTANARI, Alberto POLICRITI – Udine <i>Extension of S1S and the composition method</i>
15:40 – 16:05	Séverine FRATANI – Bordeaux <i>The theory of successor extended by several predicates</i>
16:05 – 16:30	Laurent BRAUD – Lyon <i>Higher-order schemes and morphic words</i>
16:30 – 16:55	Vince BÁRÁNY – Aachen <i>A hierarchy of automatic words having a decidable MSO theory</i>

Second session Lecture Hall P

15:15 – 15:40	Janis BULS, Aivars LORENCS – Riga <i>From bi-ideals to periodicity</i>
15:40 – 16:05	Ondrej KLÍMA, Libor POLÁK – Brno <i>On varieties of literally idempotent languages</i>
16:05 – 16:30	Jean-Pierre DUVAL, Thierry LECROQ, Arnaud LEFEBVRE <i>Efficient validation and construction of border arrays</i> – Rouen
16:30 – 16:55	Élise PRIEUR, Thierry LECROQ – Rouen <i>On-line construction of compact suffix vectors and maximal repeats</i>

18:30 Welcome party at the **City Hall**

Thursday 31 st of August Lecture Hall P

09:00 – 09:50	Invited talk : Valérie BERTHÉ – Montpellier <i>Word combinatorics, tilings and discrete geometry</i>
09:50 – 10:15	Coffee Break
10:15 – 10:40	Christian MAUDUIT – Marseille <i>Automates infinis et théorie des nombres</i>
10:40 – 11:05	Marion LE GONIDEC – Marseille <i>Propriétés de mots infinis engendrés par des systèmes automatiques dénombrables</i>
11:05 – 11:30	Nicolas BEDARIDE – Marseille <i>Directional complexity of the hypercubic billiard</i>
11:30 – 11:55	Jean-Pierre BOREL – Limoges <i>Computing finite sturmian words by decimations</i>
11:55 – 14:00	Lunch
14:00 – 14:50	Invited talk : Felix KLAEDTKE – Zurich <i>Automata and linear arithmetics</i>
14:50 – 15:15	Coffee Break
15:15 – 15:40	Barnaby MARTIN – Durham <i>Dichotomies and duality in first-order model checking problems</i>
15:40 – 16:05	Daniel KIRSTEN – Dresden <i>A Burnside approach to the termination of Mohri's algorithm for polynomially ambiguous min-plus-automata</i>
16:05 – 16:30	Alain HERTZOG, Pierre SIMONNET – Corte <i>Witold Hurewicz et les automates</i>
16:30	Student grants – Association Michel MÉTIVIER

Guided tour of the **Parlement de Bretagne**

- 18:00 – 19:30 group 1
- 18:30 – 20:00 group 2
- 19:00 – 20:30 group 3

20:45 Conference dinner – Restaurant **L'Ouvrée**

Friday 01 st of September Lecture Hall P

09:25 – 09:50	Pierre ARNOUX, Valérie BERTHÉ, Anne SIEGEL – Marseille <i>Finiteness properties for pisot s-adic tilings</i> – Montpellier, Rennes
09:50 – 10:15	Coffee Break
10:15 – 10:40	Wit FORYS, Janusz MATYJA – Krakow <i>On the equality of measure and topological entropies for cellular automata</i>
10:40 – 11:05	Christophe MORVAN – Marne-la-Vallée <i>Classes of rational graphs</i>
11:05 – 11:30	Antoine MEYER – Chennai <i>Traces of term-automatic graphs</i>
11:30 – 11:55	Raphaël JUNGERS, Vincent BLONDEL – Louvain <i>Cruisable graphs</i>
11:55 – 14:00	Lunch
14:00 – 14:50	Invited talk : Daniel KIRSTEN – Dresden <i>Distance desert automata and the star height problem</i>
14:50 – 15:15	Coffee Break
15:15 – 15:40	Laura GIAMBRUNO, Antonio RESTIVO – Palermo <i>An automata-theoretic approach to the study of the intersection of two submonoids of a free monoid</i>
15:40 – 16:05	Laura CHAUBARD, Alfredo COSTA – Paris, Coimbra <i>A new algebraic invariant for weak equivalence of sofic subshifts</i>
16:05 – 16:30	Eugen CZEIZLER, Jarkko KARI – Turku, Iowa <i>On testing the equality of sofic systems</i>

17:00 **AFIF meeting** Jean-Pierre JOUANNAUD – President

Saturday 02 nd of September Lecture Hall P

09:00 – 09:50	Invited talk : Michel RIGO – Liège <i>Abstract numeration systems on a regular language : a survey</i>
09:50 – 10:15	Coffee Break
10:15 – 10:40	Geneviève PAQUIN, Srečko BRLEK, Damien JAMET <i>Extremal generalized smooth words – Montréal, Nancy</i>
10:40 – 11:05	Jérémy CHALOPIN, Pascal OCHEM – Bordeaux <i>Dejean's conjecture and letter frequency</i>
11:05 – 11:30	Aleksandrs BELOVS – Riga <i>Some algebraic properties of machine poset of infinite words</i>
11:30 – 11:55	Benoit CAGNARD, Christian MORELLI, Pierre SIMONNET <i>Remarques d'automaticiens sur le théorème de Sarkovski – Corte</i>
11:55 –	Lunch

City Hall (Wednesday 18:30)

place de la Mairie 02 23 62 10 10

Parlement de Bretagne (Thursday 18:00, 18:30, 19:00)

place du Parlement 02 23 20 43 00

L'Ouvrée Restaurant (Thursday 20:45)

18 place des Lices 02 99 30 16 38