

Numeration: Mathematics and Computer Science

March 23–27, 2009

	Monday	Tuesday	Wednesday	Thursday	Friday
9.00 – 9.50	Allouche 1	Muller 1	Muller 2	Dajani 2	Dajani 3
10.30 – 11.20	Dajani 1	Allouche 2	Hanrot	Allouche 3	Muller 3
11.30 – 12.20	Bell	Mauduit	Heuberger	Rivoal	Berthé
16.00 – 16.50	Schmidt	Akiyama			
16.00 – 16.25			Mendès France	Robinson	
16.30 – 16.55			Bajard	Charlier	
17.20 – 17.45	Rittaud	Durand	Lai	Firicel	
17.50 – 18.15	Huisman	Kalle	Kazda	Le Gonidec	
18.25 – 18.50	Vallée	Sing	van de Woestijne	Balková	
18.55 – 19.20	Mori	Furukado/Ito	Olivier	Verger-Gaugry	

Lectures:

- *Jean-Paul Allouche*: Some arithmetic properties of automatic sequences
- *Karma Dajani*: Ergodic theory of numbers
- *Jean-Michel Muller*: Exact computations with an arithmetic known to be approximate

Invited talks:

- *Shigeki Akiyama*: Finiteness and periodicity of beta expansions – number theoretical and dynamical open problems
- *Jason Bell*: Cobham’s theorem and its extensions
- *Valérie Berthé*: Discrete Geometry and Numeration
- *Guillaume Hanrot*: Some numeration questions encountered in cryptology
- *Clemens Heuberger*: Applications of Digital Expansions in the Efficient Implementation of Cryptosystems
- *Christian Mauduit*: Integer base expansions of prime numbers
- *Tanguy Rivoal*: Développement décimal des nombres algébriques
- *Thomas A. Schmidt*: Rosen continued fractions and Veech groups

Contributed talks:

- *Jean-Claude Bajard*: A Residue Approach of the Finite Fields Arithmetics
- *Lubomíra Balková*: Resemblance and difference between beta-integers and ordinary integers
- *Emilie Charlier*: Multidimensional generalized automatic sequences and shape-symmetric morphic words
- *Fabien Durand*: Rauzy fractal in $\mathbb{R} \times \mathbb{C}$ and points with multiple expansions
- *Alina Firicel*: Subword complexity and finite characteristic numbers
- *Maki Furukado and Shunji Ito*: On Complex Pisot Numeration Systems
- *Johannes Huisman*: Noncommutative continued fractions
- *Charlene Kalle*: Digital expansions and multiple tilings
- *Alexandr Kazda*: Möbius number systems
- *Anna Chiara Lai*: On negative bases
- *Marion Le Gonidec*: On sets of integers recognized by countable automata
- *Michel Mendès France*: Nombres de Salem et équirépartition
- *Makoto Mori*: Pseudo random sequences generated by dynamical systems
- *Eric Olivier*: About the existence/uniqueness of the invariant IBCM measure in Pisot-basis
- *Benoît Rittaud*: Combinatorial interpretation of Rosen continued fractions and generalizations
- *E. Arthur Robinson, Jr.*: The tilings of Kari and Culik
- *Bernd Sing*: Non-Unimodularity
- *Brigitte Vallée*: The Number of Symbol Comparisons in Quicksort and Quickselect
- *Jean-Louis Verger-Gaugry*: Conjugates of Parry numbers near the unit circle
- *Christiaan van de Woestijne*: The structure of groups supporting a numeration system