

# 2nd Workshop on Combinatorics, Number Theory and Dynamical Systems

IMPA, Rio de Janeiro, August, 24 - 28

## Program - Auditorium Ricardo Mañé

Hour	Monday, 24	Tuesday, 25	Wednesday, 26	Thursday, 27	Friday, 28
10:00 - 11:00	Registration				
11:00 - 11:50	<b>Paulo Ribenboim</b> <i>Ultrametric spaces with applications</i>	<b>Yoshiharu Kohayakawa</b> <i>The number of Bh-sets of a given cardinality</i>	<b>Benjy Weiss</b> <i>Mixing properties of non-singular actions</i>	<b>Michael Boshernitzan</b> <i>Scales of functions and applications in ergodic theory and number theory</i>	<b>Albert Fisher</b> <i>Fractal-like integer sets coming from dynamics</i>
12:00 - 14:00	Lunch				
14:00 - 14:50	<b>Michael Drmota</b> <i>Distribution properties of subsequences of automatic sequences</i>	<b>Fabricio Benevides</b> <i>Graph convexities and maximum infection time</i>	<b>Sebastián Donoso</b> <i>A pointwise cubic average for two commuting transformations</i>	<b>Ali Messaoudi</b> <i>Dynamics of stochastic adding machines</i>	<b>Anne Bertrand</b> <i>Boyle and Handelman conjecture, primitive matrices on <math>N</math> and Perron numbers</i>
15:00 - 15:50	<b>Yann Bugeaud</b> <i>Around the Littlewood conjecture</i>	<b>Ramon Nunes</b> <i>The distribution of squarefree numbers in arithmetic progressions</i>	<b>Alejandro Maass</b> <i>Variations on recurrence</i>	<b>Vincent Delecroix</b> <i>The bottom of the Lagrange spectrum of translation surfaces</i>	<b>Francesco Cellarosi</b> <i>Supersymmetric quantum mechanics, exponential sums, and homogeneous dynamics</i>
16:00 - 16:30	Coffee Break				
16:30 - 17:20	<b>Jean-Marc Deshouillers</b> <i>Automatic questions concerning the representation of <math>n!</math> in base <math>b</math></i>	<b>Joel Rivat</b> <i>Digital properties of prime numbers</i>	<b>Tamar Ziegler</b> <i>Concatenations of ergodic and combinatorial uniformity norms</i>	<b>Sébastien Ferenczi</b> <i>Examples of interval exchanges satisfying Veech and Sarnak</i>	<b>Sascha Troscheit</b> <i>A localised measurement of complexity for self-similar attractors</i>
17:30 - 18:20		<b>Harald Helfgott</b> <i>Soficity, recurrence and short cycles of exponential maps</i>	<b>Poster Session</b>	<b>Mariusz Lemańczyk</b> <i>Automorphisms with quasi-discrete spectrum, multiplicative functions and average orthogonality along short intervals</i>	
18:30		Cocktail			