

Prime numbers: New perspectives (CIRM, Marseille)  
10-14 February 2014

**Monday (10/2)**

7:00–9:00	Breakfast
9:30–10:15	<b>Jörg Brüdern:</b> Sums of two squares in sparse sequences
10:15–10:45	Coffee Break
10:45–11:30	<b>Jan-Christoph Schlage-Puchta:</b> Irrationality of Cantor series involving prime numbers
11:30–12:15	<b>Olivier Robert:</b> The distribution of nuclear numbers
12:30–15:00	Lunch Break
15:00–15:45	<b>Andrzej Schinzel:</b> Extensions of three theorems of Nagell
15:45–16:30	<b>Ramon Moreira-Nunes:</b> On the distribution of square-free numbers in arithmetic progressions
16:30–17:00	Coffee Break
17:00–17:45	<b>Sary Drappeau:</b> Friable numbers in arithmetic progressions via the dispersion method
17:45–18:30	<b>Cyril Banderier:</b> Enumeration and asymptotics of residues of any order in $\mathbb{Z}/n\mathbb{Z}$ , application to quantum tomography
18:30–19:30	<i>Work in small groups</i>
19:30–20:30	Dinner

**Tuesday (11/2)**

7:00–9:00	Breakfast
9:30–10:15	<b>Janos Pintz:</b> Pólya numbers and consecutive gaps between primes
10:15–10:45	Coffee Break
10:45–11:30	<b>Jean-Marie De Koninck:</b> On the proximity of additive and multiplicative functions
11:30–12:15	<b>Olivier Ramaré:</b> Some news on bilinear decomposition of the Möbius function
12:30–15:00	Lunch Break
15:00–15:45	<b>Joanna Kulaga-Przymus:</b> Möbius disjointness and entropy
15:45–16:30	<b>Anne De Roton:</b> Subsets of primes with no solution to a three linear invariant equation
16:30–17:00	Coffee Break
17:00–17:45	<b>Christian Elsholtz:</b> Additive decompositions of sets with restricted prime factors
17:45–19:30	<i>Open problem session</i>
19:30–20:30	Dinner

## Wednesday (12/2)

7:00–9:00	Breakfast
9:00–9:45	<b>Igor Shparlinski:</b> Fermat quotients in 3D: Divisibility, Distribution and Dynamics
9:45–10:30	<b>Martin Huxley:</b> A sideways approach to the circle problem
10:30–10:45	Coffee Break
10:45–11:30	<b>Michael Drmota:</b> Automatic sequences along squares and primes
11:30–12:15	<b>Hugh Montgomery:</b> Moments of a Thue–Morse generating function
12:30–15:00	Lunch Break
15:00–19:30	<i>Free afternoon</i>
19:30–20:30	Dinner

## Thursday (13/2)

7:00–9:00	Breakfast
9:30–10:15	<b>Mariusz Lemanczyk:</b> $0-1$ sequences of the Thue–Morse type and Sarnak’s conjecture
10:15–10:45	Coffee Break
10:45–11:30	<b>Jianya Liu:</b> Sarnak’s disjointness conjecture for distal flows
11:30–12:15	<b>Sébastien Ferenczi:</b> Interval exchanges and two famous conjectures
12:30–15:00	Lunch Break
15:00–15:45	<b>Pieter Moree:</b> The multiplicative order
15:45–16:30	<b>Armand Lachand:</b> Friable values of cubic forms
16:30–17:00	Coffee Break
17:00–17:45	<b>Djordjo Milovic:</b> The infinitude of $\mathbb{Q}(\sqrt{-p})$ with class number divisible by 16
17:45–18:30	<b>Walid Wannes:</b> Arithmetic functions under digital constraint
18:30–19:30	<i>Work in small groups</i>
19:30–22:30	Dinner: Bouillabaisse

## Friday (14/2)

7:00–9:00	Breakfast
9:30–10:15	<b>Florian Luca:</b> On the counting function of the range of the Carmichael $\lambda$ –function
10:15–10:30	Coffee Break
10:30–11:15	<b>Manfred Madritsch:</b> Van der Corput sets
11:15–12:00	<b>Imre Katái:</b> On normal numbers
12:00–12:30	<i>Final discussions</i>
12:30–15:00	Lunch Break