

RHB70: Analytic Number Theory and Its Interfaces
10-14 July 2023
L3

Schedule

Monday, 10 July

- 9:30-10:00 Registration
10:00-11:00 Ben Green, *Quadratic forms in 8 prime variables*
11:00-11:30 Coffee
11:30-12:30 Brian Conrey, *Moments of families of L-functions*
12:30-14:30 Lunch
14:30-15:30 Jon Keating, *Joint moments*
15:30-16:00 Coffee
16:00-17:00 Alexandra Florea, *Negative moments of the Riemann-zeta function*
17:30-19:00 Drinks reception in the Mathematical Institute

Tuesday, 11 July

- 10:00-11:00 Damaris Schindler, *Generalised quadratic forms over totally real number fields*
11:00-11:30 Coffee
11:30-12:30 Per Salberger, *On Heath-Brown's determinant method*
12:30-14:30 Lunch
14:30-15:30 K. Soundararajan, *Divisibility properties of the character values of the symmetric group*
15:30-16:00 Coffee
16:00-17:00 Andrew Granville, *Primes in short intervals*

Wednesday, 12 July

- 10:00-11:00 Kevin Ford, *Toward a theory of prime detecting sieves*
11:00-11:30 Coffee
11:30-12:30 Lilian Pierce, *A polynomial sieve: beyond separation of variables*
12:30-14:30 Lunch

Thursday, 13 July

- 10:00-11:00 Kaisa Matomäki, *Detecting primes in multiplicatively structured sequences*
11:00-11:30 Coffee
11:30-12:30 T. D. Wooley, *Beyond Vinogradov's mean value theorem*
12:30-14:30 Lunch
14:30-15:30 Maksym Radziwill, *The Fyodorov-Hiary-Keating conjecture*
15:30-16:00 Coffee
16:00-17:00 Sarah Peluse, *Bounds for sets without L-shapes*

Friday, 14 July

- 10:00-11:00 Emmanuel Kowalski, *Dix ans après*
11:00-11:30 Coffee
11:30-12:30 Henryk Iwaniec, *On k -tuples of integer parts mutually co-prime*
12:30-14:30 Lunch