

Number Theory Down Under 9

Conference program

Monday, September 27

Tuesday, September 28

Wednesday, September 29

9am - 10am	<p>Terence Tao Recent progress on Mobius pseudorandomness</p>	<p>Dimitris Koukoulopoulos Approximating reals by rationals</p>	<p>Amir Mohammadi Finitary analysis in homogeneous spaces and applications</p>
10:05am - 10:35am	<p>Jingbo Liu On a Waring's problem for Hermitian lattices</p>	<p>Arvind Suresh Realizing Galois representations in abelian varieties by specialization</p>	<p>John Roberts A combinatorial model for birational maps over finite fields</p>
10:40am - 11:10am	<p>Shehzad Hathi Representation of an even number as a sum of four squares of primes</p>	<p>Sean Lynch Zeta functions in two-dimensional arithmetic</p>	<p>Alex Ghitza Modular forms of level divisible by the characteristic</p>
11:20am - 11:50am	<p>Kamil Bulinski Glasner property for polynomials and linear groups acting on the torus</p>	<p>Ethan Lee Four Methods to Prove Mertens' Theorems and their Analogues</p>	<p>Min Sha The Lucas and Lehmer sequences in polynomial rings</p>
11:55am - 12:25pm	<p>James Evans Regular Sequences, Riesz Products and Ergodicity</p>	<p>Daniel Johnston The Sum of a Prime and a Square-free Number with Divisibility Conditions</p>	<p>Lee Zhao Moments of central values of quartic Dirichlet L-functions</p>
Lunch break	<p>This session is dedicated to 75th Birthday of Prof Richard Brent</p>		<p>12:25pm - 12:35pm: The best student talk prize winner announcement</p>
1:30pm - 2:30pm	<p>David Harvey Recent progress on deterministic integer factorisation</p>	<p>Alina Ostafe Dynamical irreducibility of polynomials modulo primes</p>	<p>Ole Warnaar Cylindric partitions and character identities</p>
2:35pm - 3:05pm	<p>Veronika Kuchta Number theory and modern cryptography</p>	<p>Jeremy Booher Can You Hear the Shape of a Curve?</p>	<p>Igor Shparlinski Maximal Operators and Restriction Bounds for Weyl Sums</p>
3:10pm - 3:40pm	<p>Florian Breuer Prime Spectroscopy</p>	<p>Chenyan Wu Arthur Parameters, Theta Correspondence and Periods for Unitary Groups</p>	<p>Bryce Kerr Cubic Weyl sums</p>
3:50pm - 4:20pm	<p>Madeleine Kyng A new algorithm for computing zeta functions of algebraic curves</p>	<p>Valeria Starichkova Explicit Atkinson formula</p>	<p>Tanja Schindler Regularity properties of k-Brjuno and Wilton functions</p>
4:25pm - 4.55pm	<p>Richard Brent A Sum Over Nontrivial Zeros of the Riemann Zeta-Function</p>	<p>Maciej Ulas On a Diophantine equation of Erdos and Graham</p>	<p>Tim Trudgian Not zero, and then some!</p>