

**Diophantine approximation and related fields: University of York (UK) : 26 - 30 June 2017**

**Workshop Programme**

Monday, 26/6/17		Tuesday, 27/6/17		Wednesday, 28/6/17		Thursday, 29/6/17		Friday, 30/6/17	
09:15	<b>REGISTRATION, TEA / COFFEE</b>	09:15	<b>Ben Green (45 min) :</b> Monochromatic solutions to $x + y = z^2$	09:15	<b>Damien Roy (45 min) :</b> Parametric geometry of numbers	09:15	<b>Dmitry Kleinbock (45 min) :</b> Shrinking targets on homogeneous spaces and improving Dirichlet's Theorem	09:15	<b>Wadim Zudilin (45 min) :</b> Some hypergeometry inspired by irrationality questions
10:00	<b>Welcome</b>	10:00	<b>TEA / COFFEE BREAK</b>	10:00	<b>TEA / COFFEE BREAK</b>	10:00	<b>TEA / COFFEE BREAK</b>	10:00	<b>TEA / COFFEE BREAK</b>
10:15	<b>Anish Ghosh (45 min) :</b> Values of quadratic forms at integer points	10:30	<b>Jin-Jin Huang (45 min) :</b> Rational points near manifolds and Diophantine approximations	10:30	<b>Johannes Schleischitz (45 min) :</b> Classical exponents of Diophantine approximation	10:30	<b>David Simmons (45 min) :</b> A variational principle in the parametric geometry of numbers, with applications to metric Diophantine approximation	10:30	<b>Shabnam Akhtari (45 min) :</b> The difficulty of proving effective results for norm form equations
11:25	<b>Manfred Einsiedler (45 min) :</b> Measure Rigidity of diagonal actions and Diophantine approximation	11:25	<b>Henna Koivusalo (45 min) :</b> Relationship between cut and project sets and Diophantine approximation	11:25	<b>Nicolas Chevallier (45 min) :</b> Hausdorff dimension and uniform exponents in dimension two	11:25	<b>Lei Yang (45 min) :</b> Badly approximable points on curves and unipotent orbits in homogeneous spaces	11:25	<b>Jozsef Beck (45 min) :</b> Uniformity of cube surface lines and related equidistribution results
12:10	<b>LUNCH BREAK</b>	12:10	<b>LUNCH BREAK</b>	12:10	<b>LUNCH &amp; FREE AFTERNOON</b>	12:10	<b>LUNCH BREAK</b>	12:10	<b>LUNCH BREAK</b>
14:00	<b>Yitwah Cheung (45 min) :</b> A Game Approach to Littlewood's Conjecture	14:00	<b>Ben Worrell (45 min) :</b> On the Zero Problem for Exponential Polynomials			14:00	<b>Kenneth Falconer (45 min) :</b> Fractal Intersection Theorems - Old and New	14:00	<b>Nimish Shah (45 min) :</b> Equidistribution of dilations of curves on nilmanifolds
14:55	<b>Sam Chow (45 min) :</b> Bohr sets and multiplicative Diophantine approximation	14:55	<b>Cong Ling (45 min) :</b> Diophantus meets Shannon: Some aspects of Diophantine approximation in coding theory			14:55	<b>Bao-Wei Wang (45 min) :</b> A dimension transference principle for dynamical Diophantine approximations	14:55	<b>Shirali Kadyrov (15 min) :</b> Bernstein-Walsh Inequalities in Higher Dimensions over Exponential Curves
15:40	<b>TEA / COFFEE BREAK</b>	15:40	<b>TEA / COFFEE BREAK</b>			15:40	<b>TEA / COFFEE BREAK</b>	15:40	<b>Alexander Gorodnik (15 min) :</b> Discrepancy in Diophantine problems
16:10	<b>Natalia Budarina (15 min) :</b> On the rate of convergence to zero of the measure of extremal sets	16:10	<b>Anna Gusakova (15 min) :</b> On the distribution of points with conjugate algebraic coordinates near smooth curves			16:10	<b>Demi Allen (15 min) :</b> A mass transference principle for systems of linear forms and some applications	16:10	<b>Jinpeng An (15 min) :</b> Gaps between values of functions at lattice points
16:30	<b>Felipe Ramirez (15 min) :</b> A characterization of bad approximability using inhomogeneous approximations	16:30	<b>Stephen McGuire (15 min) :</b> On a Lemma of Bernik			16:30	<b>Jonathan Fraser (15 min) :</b> (Almost) arithmetic progressions and dimension	16:30	<b>Oleg German (15 min) :</b> On the spectrum of lattice exponents
17:00	<b>Agamemnon Zafeiropoulos (15 min) :</b> Inhomogeneous Diophantine approximation with restricted denominators	16:50	<b>Arturas Dubickas (15 min) :</b> On the size of algebraic integers			16:50	<b>Barak Weiss (15 min) :</b> Random walks on homogeneous spaces and Diophantine approximation on fractals	16:50	<b>Nikolay Moshchevitin (15 min) :</b> Oscillation theorems for irrationality measure functions
17:20	<b>Topi Törmä (15min)</b> On irrationality exponents in generalized continued fraction Cantor sets								
18:00	<b>RECEPTION</b>	19:30	<b>WORKSHOP DINNER</b>						
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