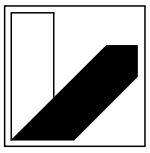

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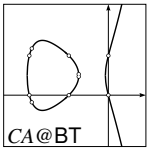

CHAIR OF
COMPUTER ALGEBRA

Workshop Program 'Rational Points 2017'

Sunday, July 2

	Arrival
from 15:00	*Coffee and Snacks*
18:30–21:00?	*Dinner*

Monday, July 3

08:00–09:00	*Breakfast*
09:00–09:15	Michael Stoll: *Opening and Welcome*
09:30–10:00	Nils Bruin: **Arithmetic aspects of the Burkhardt Quartic**
10:15–10:45	Christopher Frei: **Average bounds for the l-torsion in class groups of cyclic extensions**
10:45–11:30	*Coffee*
11:30–12:15	Tim Dokchitser: **Models of general curves**
12:30–13:30	*Lunch*
15:00–16:00	*Coffee*
16:00–16:45	Yonatan Harpaz: **Zero-cycles on homogeneous spaces**
17:00–17:30	David Harari: **Local-global principles for function fields**
17:45–18:15	Francesco Veneziano: **Rational points on curves in powers of elliptic curves**
18:30–19:30	*Dinner*
20:00–?	**Open Problems**

Tuesday, July 4

08:00–09:00	*Breakfast*
09:30–10:30	Jakob Stix: **Gorenstein orders and abelian varieties over finite fields**
10:30–11:15	*Coffee*
11:15–12:15	Samir Siksek: **A Mordell–Weil theorem for cubic hypersurfaces of high dimension**
12:30–13:30	*Lunch*
15:00–16:00	*Coffee*
16:00–16:45	Dan Loughran: **Sieving rational points on varieties**
17:00–17:30	Céline Maistret: **Parity of ranks of abelian surfaces**
17:45–18:15	David Holmes: **Numerical evidence for BSD in genus 2 and 3**
18:30–19:30	*Dinner*

Wednesday, July 5

08:00–09:00	*Breakfast*
09:30–10:30	Jennifer Balakrishnan: **Rational points on the cursed curve I**
10:30–11:15	*Coffee*
11:15–12:15	Netan Dogra: **Rational points on the cursed curve II**
12:30–13:30	*Lunch*
	Free Afternoon, *Coffee* and *Dinner* on request

Thursday, July 6

08:00–09:00	*Breakfast*
09:30–10:30	Ulrich Derenthal: **Cox rings over nonclosed fields and applications to Manin's conjecture**
10:30–11:10	*Coffee*
11:10–11:40	Levent Alpöge: **The average number of rational points on genus 2 curves is bounded**
11:50–12:20	Filip Najman: **Growth of torsion groups of elliptic curves upon base change**
12:30–13:30	*Lunch*
15:00–16:00	*Coffee*
16:00–16:45	Ari Shnidman: **Ranks of elliptic curves and 3-Selmer groups in families of quadratic twists with a 3-isogeny**
17:00–17:30	Victor Flynn: **The 2-part of Sha on Abelian varieties**
17:45–18:15	Damaris Schindler: **On integral points on degree four del Pezzo surfaces**
18:30–19:30	*Dinner*

Friday, July 7

08:00–09:00	*Breakfast*
09:30–10:30	Bianca Viray: **Degree and the Brauer-Manin obstruction**
10:30–11:15	*Coffee*
11:15–12:15	Andrew Sutherland: **A database of genus 3 curves**
12:30–13:30	*Lunch*
15:00–16:00	*Coffee*
16:00–16:45	Tony Várilly-Alvarado: **Uniform boundedness for Brauer groups of K3 surfaces**
17:00–17:30	Martin Bright: **The Brauer-Manin obstruction in families**
17:45–18:15	Yang Cao: **Invariant Brauer subgroup and iterated descent obstruction**
18:30–19:30	*Dinner*

Saturday, July 8

08:30–09:30	*Breakfast*
	Departure