Schedule for Oberwolfach workshop 2413 "Proof Complexity and Beyond"

Time	MONDAY MAR 25	TUESDAY MAR 26	WEDNESDAY MAR 27	THURSDAY MAR 28	FRIDAY MAR 29	Time
08:45	Welcome					08:45
09:00	**Robert Robere**	**Kilian Risse**	**Pravesh Kothari**	**Igor Carboni Oliveira**	**Jakob Nordström**	09:00
09:15	TFNP and proof complexity	Clique is hard on average	Kikuchi matrix method	Meta-mathematics of	Certifying combinatorial solving using	09:15
09:30		for unary Sherali-Adams		complexity theory	cutting planes with strengthening	09:30
09:45						09:45
10:00						10:00
10:15						10:15
10:30	**Noah Fleming**	**Jonas Conneryd**	**Madhur Tulsiani**	**Emil Jerabek**	**Neil Thapen**	10:30
10:45	PPP not closed for Turing reductions	Colouring hard on average for PC	Decoding codes via proofs	Theory of exponential integer parts	Strength of the dominance rule	10:45
11:00	**Neil Thapen**	**Jacobo Toran**	**Grigoriy Blekherman**	**Pavel Pudlak**	**Aaron Potechin**	11:00
11:15	TFNP intersections & feasible disj.	Pebble games and algebraic proofs	Graph homomorphisms & polys	Quantified propositional calculus	Nullstellensatz and coefficient size	11:15
11:30	**Pavel Hrubes**	**Johan Håstad**	**Nicola Galesi**	**Martin Grohe**	***Currently free slot***	11:30
11:45	A variant of monotone calculus	Small-depth Frege proofs for PHP	Algebraic proof cplx of tensors	Compressing CFI graphs and WL LBs	*to be scheduled later*	11:45
12:00	**Iddo Tzameret**	**Dmitry Itsykson**	**Edward Hirsch**	**Shuo Pang**	***Currently free slot***	12:00
12:15	Functional LBs in algebraic proofs	Regular resolution over parities	Tropical proof systems	Supercritical trade-offs for WL	*to be scheduled later*	12:15
12:30	***LUNCH***	***LUNCH***	***LUNCH***	***LUNCH***	***LUNCH***	12:30
12:45						12:45
13:00						13:00
13:15						13:15
13:30					***Currently free slot***	13:30
13:45		***LEGEND***			*to be scheduled later*	13:45
14:00		*Long talk (50-55 min)*			***Currently free slot***	14:00
14:15		*Short talk (20-25 min)*			*to be scheduled later*	14:15
14:30		*Other*				14:30
14:45					***WORKSHOP ENDS***	14:45
15:00						15:00
15:15						15:15
15:30						15:30
15:45						15:45
16:00	**Susanna de Rezende**	**Dmitry Sokolov**		**Olaf Beyersdorff**		16:00
16:15	Proof complexity, communication	Some applications of		Proof complexity & QBF		16:15
16:30	complexity, and lifting	sunflowers		**Abhimanyu Choudhury**		16:30
16:45				Dependency schemes in CDCL QBF		16:45
17:00						17:00
17:15						17:15
17:30	**Theodoros Papamakarios**	**Mika Göös**		**Kaspar Kasche**		17:30
17:45	Automating bounded-depth Frege	Hardness condensation		Polynomial calculus in QBF		17:45
18:00	*Presentation*	**Anastasiia Sofronova**		**Ilario Bonacina**		18:00
18:15	*of participants*	Top-down LBs for depth-4 circuits		Proof systems for MaxSAT		18:15
18:30	**DINNER**	**DINNER**	**DINNER**	**DINNER**		18:30
18:45						18:45
19:00						19:00