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	
09:30		for unary Sherali-Adams		complexity theory	cutting planes with strengthening	09:30
09:45						09:45
10:00						10:00
10:15 10:30	Noah Fleming	Jonas Conneryd	Madhur Tulsiani	Emil Jerabek	Neil Thapen	10:15
10:30	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	10:30
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 complexity of tensors	Compressing CFI graphs and WL LBs	to be scheduled later	11:45
12:00	Presentation	Dmitry Itsykson	Edward Hirsch	Shuo Pang	Currently free slot	12:00
12:15	of participants	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	i				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	l			14:30
14:45					WORKSHOP ENDS	14:45
15:00						15:00
15:15 15:30						15:15 15:30
15:45						15:45
16:00	Susanna de Rezende	Dmitry Sokolov	1	Olaf Beyersdorff	1	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	Iddo Tzameret	Anastasiia Sofronova		Ilario Bonacina		18:00
18:15	Functional LBs in algebraic proofs	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
19:15						19:15
19:30						19:30
19:45 20:00		Open problems session?	1	Music overing?	1	19:45 20:00
20:00		Open problems session?	1	Music evening?	1	20:00