

July 20, Monday

8:45 - 9:00 Opening and introductions

9:00 - 10:00 Vladimir Kolmogorov: The Complexity of General-Valued CSPs

10:00 - 10:30 Coffee break

10:30 - 11:00 Johan Thapper: The power of Sherali-Adams relaxations for valued CSPs

11:00 - 11:30 Stanislav Zivny: Hybrid (V)CSPs

11:30 - 12:00 Michal Rolinek: Effectiveness of structural restrictions for hybrid CSPs

12:15 Lunch

3:30 Coffee and cake break

4:00 - 4:30 Leslie Ann Goldberg: Approximating Bounded-Degree Boolean Counting CSPs

4:30 - 5:00 Mark R. Jerrum: Approximately counting H-colourings is #BIS-hard

5:00 - 5:30 David Richerby: Counting Matrix Partitions of Graphs

6:15 Dinner

July 21, Tuesday

9:00 - 9:30 Alexandr Kazda: Linear Datalog and n-permutability implies symmetric Datalog

9:30 - 10:00 Marcin Kozik: Congruence join semi-distributive varieties and constraint satisfaction problems

10:00 - 10:30 Coffee break

10:30 - 11:15 Libor Barto: CSPs over hereditarily semisimple algebras

11:15 - 12:00 Ross Willard: Maltsev constraints revisited

12:15 Lunch

3:30 Coffee and cake break

4:00 - 4:30 Madhur Tulsiani: A Characterization of Strong Approximation Resistance

4:30 - 5:00 Euiwoong Lee: Towards a Characterization of Approximation Resistance for Symmetric CSPs

5:00 - 5:30 Konstantin Makarychev: Correlation Clustering on Complete Graphs

6:15 Dinner

July 22, Wednesday

9:00 - 10:00 Yury Makarychev: Satisfiability of Ordering CSPs Above Average Is Fixed-Parameter Tractable

10:00 - 10:30 Coffee break

10:30 - 11:00 Yuichi Yoshida: Half-Integrality, LP-Branching and FPT Algorithms

11:00 - 11:30 Magnus Wahlström: Parameterized VCSPs, Euler digraphs and diamond lattices

11:30 - 12:00 Hubie Chen: The Parameterized Complexity Classification of--and the Logic of--Counting Answers to Existential Positive Queries

12:00 Group photo

12:15 Lunch

1:30 Excursion

3:30 Coffee and cake break

6:15 Dinner

July 23, Thursday

9:00 - 10:00 David Steurer: Lower bounds for LP/SDP formulations of CSPs

10:00 - 10:30 Coffee break

10:30 - 11:00 Siu On Chan: Sum of Squares Lower Bounds from Pairwise Independence

11:00 - 11:30 Per Austrin: $(2+\epsilon)$ -SAT is NP-hard

11:30 - 12:00 Jonah Brown-Cohen: Correlation Decay from Cyclic Polymorphisms

12:15 Lunch

3:30 Coffee and cake break

4:00 - 4:30 Manuel Bodirsky: Max-Closed Semilinear Constraint Satisfaction

4:30 - 5:00 Michael Pinsker: Constraint satisfaction problems on K_n -free graphs

5:00 - 5:30 Joanna Ochremiak: Deciding FO-definable CSP instances

6:15 Dinner