

CSP Programme Monday 26 October

9.00 -10.30 A. Krokhin . ***Tutorial on algebra, logic, and CSP (part 1)***

10.30-10.45 Coffee break

10.45-12.15 V.Guruswami. ***Tutorial on approximability of CSPs (part 1)***

12.15-14.45 Lunch break

14.45-15.45 D. Marx. ***Structural complexity of CSPs: the role of treewidth and its generalizations***

15.45-16.15 Coffee break

16.15-16.45 H.Chen. ***What is a tractable class? (A tale of width notions and a few shifty characters.)***

16.50-17.20 V. Dalmau. ***Enumerating Homomorphisms***

17.25-17.55 D. Marx. ***Beyond fractional hypertree width***

CSP Programme Tuesday 27 October

9.00 -10.30 A. Krokhin . ***Tutorial on algebra, logic, and CSP (part 2)***

10.30-10.45 Coffee break

10.45-12.15 V.Guruswami. ***Tutorial on approximability of CSPs (part 2)***

12.15-14.45 Lunch break

14.45-15.45 P. Raghavendra. ***Complexity of Approximating Constraint Satisfaction Problems***

15.45-16.15 Coffee break

16.15-16.45 F. Kuivinen. ***Submodular functions on diamonds and Max CSP***

16.50-17.20 M. Bodirsky. ***Constraint Satisfaction Problems over the Real Numbers***

17.25-17.55 M. Wahlstrom. ***Kernelizability of Boolean Min Ones CSPs***

CSP Programme Wednesday 28 October

9.00 -10.00 M. Kozik. ***CSPs of bounded width***

10.00-10.30 Coffee break

10.30-11.00 C. Carvalho. ***CSP duality and trees of bounded pathwidth***

11.05-11.35 L.Egri ***The complexity of the list homomorphism problem for graphs***

11.40-12.10 R. Takhanov. ***A dichotomy theorem for the general minimum cost homomorphism problem***

12.15-14.00 Lunch

14.00-16.00 Hike / Free Afternoon

CSP Programme Thursday 29 October

9.00 -10.00 P. Austrin . ***Approximation resistance***

10.00-10.30 Coffee break

10.30-11.00 L. Kirousis. ***Coloring random graphs: A short and biased survey***

11.05-11.35 S.Kopparty ***Random graphs and the parity quantifier***

11.40-12.10 B. Martin. ***The complexity of positive first-order logic without equality***

12.15-14.45 Lunch

14.45-15.45 A. Bulatov. ***The complexity of the counting CSP***

15.45-16.15 Coffee break

16.15-16.45 L. Goldberg. ***The complexity of approximating Boolean #CSP***

16.50-17.20 M. Jerrum. ***A complexity dichotomy for hypergraph partition functions***

17.25-17.55 M. Thurley. ***Partition functions with mixed signs and complex weights***

CSP Programme Friday 30 October

9.00 -9.30 M. Valeriote. ***On the complexity of equivalence and isomorphism for primitive positive formulas***

9.35 -10.05 R. Willard. ***Pp-definability is coNExpTime-complete***

10.05-10.30 Coffee break

10.30-11.00 D. Cohen. ***A Galois connection for Valued CSP***

11.05-11.35 M. Hermann ***Trichotomy in the complexity of Minimal Inference***

11.40-12.00 ***Wrap-up discussion***

12.15 Lunch