

# CSP Programme Monday 5 November

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

10.30--10.45. Coffee break

10.45--12.15. P. Austrin. **Tutorial on approximability of CSPs (part 1)**

12.15--14.45 Lunch break

14.45--15.25. D. Marx. **CSPs and fixed-parameter tractability**

15.30—15.50. S. Szeider. **Structural parameterization of language restricted CSPs**

15.50--16.15. Coffee break

16.15--16.45. F. Scarcello. **Larger islands of tractability from greedy strategies**

16.50--17.20. P. Jonsson. **Complexity of SAT problems, clone theory, and the Exponential Time Hypothesis**

17.25--17.55. Y. Yoshida. **Testing assignments of Boolean CSPs**

# CSP Programme

# Tuesday 6 November

9.00--10.30. R. Willard. **Tutorial on algebra and CSP (part 2)**

10.30--10.45. Coffee break

10.45--12.15. P. Austrin. **Tutorial on approximability of CSPs (part 2)**

12.15--14.45 Lunch break

14.45--15.45. L. Barto. **Robust approximability of CSPs**

15.45--16.15. Coffee break

16.15--16.45. V. Dalmau. **Robust approximability of CSPs with polynomial loss**

16.50--17.20. M. Kozik. **Some CSPs solvable in Linear Datalog**

17.25--17.55. A. Atserias. **Semi-algebraic proofs, Gaussian elimination, and CSPs with short proofs of unsatisfiability**

# CSP Programme      Wednesday 7 November

9.00--10.00. S. Zivny. **Valued CSPs , fractional polymorphisms, and linear programming**

10.00--10.30. Coffee break

10.30--11.00. V. Kolmogorov. **Linear programming and Valued CSPs: A constructive characterisation**

11.05--11.35. J. Thapper. **The complexity of finite-valued CSPs**

11.40--12.10. A. Huber. **VCSPs on three elements**

12.15--14.00 Lunch break

14.00—16.00 Hike/Free Afternoon

# CSP Programme      Thursday 8 November

9.00--9.30. J. Hastad. **On the NP-hardness of Max-Not-2**

9.35--10.05. S. Huang. **Approximation resistance on satisfiable instances for predicates with few accepting assignment**

10.05--10.30. Coffee break

10.30--11.00. K. Makarychev. **Local search is better than random assignment for bounded occurrence k-CSPs**

11.05--11.35. Y. Makarychev. **Approximation algorithm for non-Boolean Max k-CSP**

11.40--12.10. P. Raghavendra. **Efficient algorithms via polymorphisms in the value oracle model**

12.15--14.00 Lunch break

14.45--15.15. M. Jerrum. **Functional clones**

15.20--15.50 L. Goldberg. **Approximate weighted Boolean #CSP**

15.50--16.15. Coffee break

16.15--16.45. P. Lu. **Holant problems: CSPs where each variable appears exactly twice**

16.50--17.20. A. Bulatov. **Counting CSPs and Datalog fixed points**

17.25--17.55. M. Dyer. **The complexity of approximating conservative counting CSPs**

## CSP Programme      Friday 9 November

9.00--9.30. G. Gutin. **Parameterized complexity of Access Control Problems**

9.35--10.05. R. McKenzie. **The dichotomy conjecture: Sketching the algebraic landscape near the boundary**

10.05--10.30. Coffee break

10.30--11.00. M. Pinsker. **Topological Birkhoff**

11.05--11.35. H. Chen. **Meditations on Quantified Constraint Satisfaction**

11.40--12.10. B. Martin. **Constraint Satisfaction with counting quantifiers**

12.15--14.00 Lunch break