

IWOCA 2017 Programme

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8 -9					
9:00 – 10:00	Invited Talk	Invited Talk	Invited Talk	Invited Talk	Invited Talk
10:00 - 10:30	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea
10:30 – 12:00	Contributed Talks 1	Contributed Talks 4	Contributed Talks 7	Contributed Talks 8	Talks Only 1
12:00 – 13:30	Lunch	Lunch	Lunch	Lunch	Lunch
13:30 – 15:00	Contributed Talks 2	Contributed Talks 5	Excursion	Contributed Talks 9	Talks Only 2
15:00 – 15:30	Afternoon Tea	Afternoon Tea		Afternoon Tea	Afternoon Tea
15:30 – 17:00	Contributed Talks 3	Contributed Talks 6		Contributed Talks 10	Open Problem Session
17:00 - 18:00					
18:00 – 21:00				Conference Dinner	

Contributed Talks 1:

1. Neeldhara Misra and I. Vinod Reddy. The Parameterized Complexity of Happy Colorings.
2. Akanksha Agrawal. On the Parameterized Complexity of Happy Vertex Coloring.
3. Nathann Cohen, Frédéric Havet, Dorian Mazauric, Ignasi Sau and Rémi Watrigant. Complexity Dichotomies for the Minimum F-Overlay Problem.

Contributed Talks 2:

1. John Ellis and Ulrike Stege. A Practical, Provably Average Case Linear Time, In-place and Stable Merge Algorithm via the Perfect Shuffle.
2. Tatsuya Ohno, Yoshimasa Takabatake, Tomohiro I and Hiroshi Sakamoto. A Faster Implementation of Online Run-Length Burrows-Wheeler Transform.
3. Bogdan Alecu, Vadim Lozin, Victor Zamaraev and Dominique de Werra. Letter graphs and geometric grid classes of permutations: characterization and recognition.

Contributed Talks 3:

1. Rhydian Lewis, Kate Smith-Miles and Kyle Phillips. The School Bus Routing Problem: An Analysis and Algorithm.
2. Robin Milosz and Sylvie Hamel. Heuristic, Branch-and-Bound Solver and Improved Space Reduction for the Median of Permutations Problem.
3. Hanyu Gu, Julia Memar and Yakov Zinder. Efficient Lagrangian Heuristics for the Two-Stage Flow Shop with Job Dependant Buffer Requirements.

Contributed Talks 4:

1. Shiho Sugimoto, Naoki Noda, Shunsuke Inenaga, Hideo Bannai and Masayuki Takeda. Computing Abelian string regularities based on RLE.
2. Yuto Nakashima, Hiroe Inoue, Takuya Mieno, Shunsuke Inenaga, Hideo Bannai and Masayuki Takeda. Shortest Unique Palindromic Substring Queries in Optimal Time.
3. Mai Alzamel, Panagiotis Charalampopoulos, Costas S. Iliopoulos and Solon P. Pissis. How to answer a small batch of RMQs or LCA queries in practice.

Contributed Talks 5:

1. Markus Chimani, Stefan Felsner, Stephen Kobourov, Torsten Ueckerdt, Pavel Valtr and Alexander Wolff. On the Maximum Crossing Number.
2. Oswin Aichholzer, Martin Balko, Thomas Hackl, Alexander Pilz, Pedro Ramos, Pavel Valtr and Birgit Vogtenhuber. Holes in 2-convex point sets.
3. Alexandre Blondin Massé, Julien de Carufel, Alain Goupil and Maxime Samson. Fully Leafed Tree-Like Polyominoes and Polycubes.

Contributed Talks 6:

1. Benoit Darties, Annie Chateau, Rodolphe Giroudeau and Matthias Weller. Improved Complexity for Power Edge Set Problem.
2. Federico Della Croce, Ulrich Pferschy and Rosario Scatamacchia. Approximation Results for the Incremental Knapsack Problem.
3. Hiroki Oshima. Derandomization for k -submodular maximization

Contributed Talks 7:

1. Sven Mallach. Linear Ordering Based MIP Formulations for the Vertex Separation or Pathwidth Problem.
2. Ramesh Rajaby and Wing-Kin Sung. Interval-based maximum bipartite matching and its application to summarize two trees.
3. Narayan Vikas. Computational Complexity Relationship between Compaction, Vertex-Compaction, and Retraction.

Contributed Talks 8:

1. Josep Domingo-Ferrer. Privacy-Preserving and Co-Utile Distributed Social Credit
2. Andrei Kelarev, Jennifer Seberry, Leanne Rylands and Xun Yi. Combinatorial algorithms and methods for security of statistical databases related to the work of Mirka Miller.

3. Sergiu Carpov, Pascal Aubry and Renaud Sirdey. A multi-start heuristic for multiplicative depth minimization of boolean circuits.

Contributed Talks 9:

1. Vadim Lozin. Graph Parameters and Ramsey Theory.
2. Cyriac Grigorious, Thomas Kalinowski and Sudeep Stephen. On the power domination number of de Bruijn and Kautz digraphs.
3. Hovhannes Harutyunyan and Zhiyuan Li. Improved lower bound on broadcast function based on graph partition.

Contributed Talks 10:

1. Michel Vasquez and Yannick Vimont. On solving the queen graph coloring problem.
2. Uwe Schauz. Orientations of 1-Factorizations and the List Chromatic Index of Small Graphs.
3. Matěj Konečný, Stanislav Kučera, Jana Novotná, Jakub Pekárek, Štěpán Šimsa and Martin Töpfer. Minimal Sum Labeling of Graphs.