
AWOCA 2005 SESSIONS

Monday 19 September:

9.15am *Invited Talk:* Bill Smyth

10.00am *Invited Talk:* Anne Street

11.15am *Invited Talk:* Jamie Simpson

12.00pm *Contributed Talks – Session 0*

Talk 1: Nick Cavenagh, Diane Donovan, Carlo Hamalainen “Are There Three MOLs of Order 10? Maybe”

Talk 2: Carlo Hamalainen “Latin Squares, Sudoku, and Dancing Links”

3.00pm *Parallel Session I*

Talk 1: Musa Mammadov, Arun Banerjee “An Optimization Approach to Identifying Drugs Responsible for Adverse Drug Reactions”

Talk 2: Musa Mammadov, Arun Banerjee “An Optimization Approach to the Study of Drug-Drug Interactions”

Talk 3: Julien Ugon, Alex Rubinov, “Optimisation Solvers and Problem Formulations for Solving a Data Clustering Problem”

3.00pm *Parallel Session II*

Talk 1: Le Anh Vinh “Random Walks on Hypergroup of Circles in a Finite Field”

Talk 2: Paul Manuel, Indra Rajasingh, Bharati Rajan “Embedding of Hypercubes into Complete Binary Trees”

Talk 3: Paul Manuel, Bharati Rajan, Indra Rajasingh, Chris Monica Mohan “On Minimum Metric Dimension of Honeycomb Networks”

4.15pm *Parallel Session III*

Talk 1: J.Y. Lin, Prabhu Manyem, R.L. Sheu “Performance Estimations of First Fit Algorithm for Online Bin Packing with Variable Bin Sizes and LIB constraints”

Talk 2: Nouredine Bouhmala “A Combined Local Search Method and Simulated Annealing to Constraints Satisfaction Problems”

Talk 3: Deshi Ye, Wun-Tat Chan, Francis Chin, Guochuan Zhang, Yong Zhang “On-Line Scheduling of Parallel Jobs on Two Machines”

Talk 4: Ian Roberts, Sue D’Arcy, Kevin Gilbert, Leanne Rylands, Oudone Phanalasy, “Separating Systems, Sperner Systems, Search Theory”

4.15pm *Parallel Session IV*

Talk 1: Mirka Miller, Guillermo Pineda Villavicencio “On Large Graphs with Given Degree and Diameter”

Talk 2: Mirka Miller, Minh Hoang Nguyen, Rinovia Simanjuntak “Repeats in Graphs and Digraphs”

Talk 3: Dafik, Mirka Miller, Joe Ryan “Open Problems in the Construction of Large Directed Graphs”

Talk 4: JianMin Tang, Mirka Miller, Yuqing Lin “Hybrid Simulated Annealing and Genetic Algorithm for Degree/Diameter Problem”

Tuesday 20 September:

9.00am *Invited Talk:* Lynn Batten

9.45am *Invited Talk:* Rod Downey

11.15am *Invited Talk:* Alan Gibbons

12.00pm *Contributed Talks – Session 00*

Talk 1: Yuqing Lin, Mirka Miller “A Survey on the Connectivity of Cages”

Talk 2: Costas Iliopoulos, Katerina Perdikuri, A. Tsakalidis, K. Tsihlias “Algorithms for Extracting Structured Motifs from Biologically Weighted Sequences”

3.00pm *Parallel Session V*

Talk 1: Hua Zheng, Shingo Omura, Koichi Wada “A 2-approximation Algorithm for Minimum Certificate Dispersal Problems”

Talk 2: Paul Manuel, Mostafa I.Abd-El-Barr, Indra Rajasingh, Bharati Rajan “An Efficient Representation of Benes Networks and its Applications”

Talk 3: Hongwei Luo and Kathy Horadam “Simulation and Measurement of Large-scale Complex Networks”

3.00pm *Parallel Session VI*

Talk 1: Roman Kuzel, Jakub Teska “Trestles in Graphs”

Talk 2: Jakub Teska “On 2-walks in Chordal Planar Graphs”

Talk 3: Kim Marshall, Joe Ryan “Mode and Antimode Graphs”

4.15pm *Parallel Session VII*

Talk 1: Ljiljana Brankovic, Henning Fernau “Approximability of a $\{0,1\}$ -matrix Problem”

Talk 2: Chris Charnes, U. Dempwolff “The Eight Variable Homogeneous Degree Three Bent Functions”

Talk 3: Gary Saunders, Musa Mamedov, Sasa Ivkovic “Using Anatomical Therapeutic Chemical (ATC) Classification to Reduce Combinatorial Complexity for Australian Drug Safety Data Analysis”

4.15pm *Parallel Session VIII*

Talk 1: Yosub Han, Gerhard Trippen “When Western Devil and Chinese Knight Play Go”

Talk 2: Eric Demaine, Jeff Erickson, Danny Krizanc, Hank Meijer, Pat Morin, Mark Overmars, Sue Whitesides “Realizing Partitions Respecting Full and Partial Order Information”

Talk 3: B. Ravikumar “Some Connections Between the Lying Oracle Problem and Ulam's Problem of Searching with Lies”

Wednesday 21 September:

10.00am *Parallel Session IX*

Talk 1: Jurek Czyzowicz, Wojciech Franczak, Mohammadreza Yazdani “Throughput of High-Performance Concatenation State Machines”

Talk 2: Hiroaki Yamamoto, Masayuki Okamoto, Takashi Miyazaki “Experimental Evaluation of Automata-based Extended Regular Expression Matching Algorithms”

Talk 3: Andrei Kelarev “Computing Parameters of Graph-based Extensions of BCH Codes”

10.00am *Parallel Session X*

Talk 1: Dietmar Cieslik, Shlomo Reisner “The Steiner Ratio of Banach Space”

Talk 2: Haslinda Ibrahim, Wal Wallis “On a Particular Construction for a Family of Triad Designs”

Talk 3: David Yost “Reducible Polytopes”

11.30am *Parallel Session XI*

Talk 1: Inbok Lee, Costas Iliopoulos “Two Simple Heuristics for the Pattern Matching on Weighted Sequences”

Talk 2: Yoan Pinzon Ardila, Manolis Christodoulakis, Costas Iliopoulos, Manal Mohamed “Efficient (δ, γ) -Pattern-Matching with Don't Cares”

Talk 3: Jan Holub, Bill Smyth, S. Wang “Fast Pattern-Matching on Indeterminate Strings”

Talk 4: Simon Puglisi, Bill Smyth, Andrew Turpin “Some Restrictions on Periodicity in Strings”

11.30am *Parallel Session XII*

Talk 1: Eldar Hajilarov, Deval Patel “Sum Number of Disjoint Union of Complete Graphs”

Talk 2: Kiki Sugeng, Mirka Miller “Properties of Consecutive Edge Magic Total Graphs”

Talk 3: Kiki Sugeng, Wei Xie “Construction of Super Edge Magic Total Graphs”

Talk 4: Ljiljana Brankovic, Craig Murch, Jeffrey Pond, Alex Rosa “ α -size of Trees with Maximum Degree Three and Perfect Matching”

