Workshop Cycles and Colourings '13

Nový Smokovec, Slovakia, September 8-13, 2013

Programme

Monday, September 9

Early morning session

- Anna Fiedorowicz, Zielona Góra, Acyclic colourings of graphs
- Csilla Bujtás, Veszprém, On the $(n, n/2, n/4)$-conjecture
- Zsolt Tuza, Veszprém, Identifying chromatic number of graphs

Late morning session

- Zdeněk Ryjáček, Plzeň, 1-Hamilton-connected (claw,hourglass)-free graphs
- Jakub Teska, Plzeň, Shortness exponent and trestles
- **Problem session**

Early afternoon session

- Stéphan Thomassé, Lyon, Forbidding long cycles and anticycles

Late afternoon session A

- Robert Scheidweiler, Aachen, New estimates for the gap chromatic number
- Martina Mockovčiaková, Košice, Strong chromatic index of subcubic bipartite graphs
- Marko Jakovac, Maribor, The b-chromatic index of regular graphs

Late afternoon session B

- Sebastian Milz, Aachen, Connectivity of local tournaments
- Iwona Włoch, Rzeszów, On classes of graphs with 2-dominating kernels
- Małgorzata Wołowiec-Musiał, Rzeszów, Distance Fibonacci numbers

Welcome party

Tuesday, September 10

Early morning session

- Oleg Pikhurko, Coventry, Minimising the number of cliques
- Halina Bielak, Lublin, Remarks on Tur´an and Ramsey numbers for some families of semi-topological graphs
- Konrad Dąbrowski, Paris, Colouring of graphs with Ramsey-type forbidden subgraphs

Late morning session

- Arnfried Kemnitz, Braunschweig, (P, Q)-total (r, s)-colorings of graphs
- **Problem session**

Early afternoon session

- Jiří Fiala, Prague, Computational complexity of distance constrained labelings

Late afternoon session A

- RafałKalinowski, Kraków, Symmetry breaking by edge-colourings
- Monika Pilśniak, Kraków, Symmetry breaking in in?nite graphs
- Peter Hudák, Košice, On subgraphs of 4-critical planar graphs

Late afternoon session B

- Martin Knor, Bratislava, Deterministic models of self-similar networks
- Jana Coroničová Hurajová, Košice, On decay centrality
- Katarzyna Wolska, Lublin, On the adjacent eccentric distance sum

Wednesday, September 11

- **Free programme**

Thursday, September 12

Early morning session

- Florian Pfender, Denver, The 1-2-3 Conjecture and its relatives on graphs and hypergraphs
- Zdeněk Dvořák, Prague, List coloring in minor-closed families
- János Barát, Melbourne, List colouring, minimum degree, minors and girth

Late morning session

- Ingo Schiermeyer, Freiberg, Rainbow connection and size of graphs

- Přemek Holub, Plzeň, Rainbow connection and forbidden induced subgraphs

- Mariusz Woźniak, Kraków, Local irregularity and decompositions

Early afternoon session

- Boštjan Brešar, Maribor, Bucolic graphs

Late afternoon session A

- Oznur Yasar Diner, Istanbul, Monochromatic connected cover and partition of 2-coloured graphs

- Izak Broere, Pretoria, Hom-properties of graphs and the Hedetniemi Conjecture

- Erika Škrabuľáková, Košice, A new Thue-type colouring invariant of graphs

Late afternoon session B

- Mariusz Meszka, Kraków, From squashed 6-cycles to triple systems

- Polona Pavlič, Maribor, Retracts of strong graph bundles

- Konstanty Junosza-Szaniawski, Warsaw, Beyond homothetic polygons - recognition and maximum clique

Farewell party

Friday, September 13

Early morning session

- Andrej Taranenko, Maribor, On the Hausdorff graphs

- Tanja Gologranc, Ljubljana, Cover-incomparability graphs

- František Kardoš, Bordeaux, Saturation number of fullerene graphs

- Jens-P. Bode, Braunschweig, Achievement games for polyominoes on Catalan tessellations

Late morning session

- Pavol Široczki, Košice, Densities of chromatically-critical unit-distance graphs

- Michaela Vrbjarová, Košice, Unique-maximum edge-colourings of plane pseudographs