



Workshop Cycles and Colourings '15

Nový Smokovec, Slovakia, September 6-11, 2015

Programme

Monday, September 7

Early morning session

- Kenta Ozeki, Tokyo, Hamiltonicity of graphs on surfaces
- Nico Van Cleemput, Ghent, On the number of hamiltonian cycles in triangulations with few separating triangles
- Carol T. Zamfirescu, Ghent, On non-hamiltonian graphs for which every vertex-deleted subgraph is traceable

Late morning session

- Martin Škoviera, Bratislava, Decomposition of flows on signed graphs into characteristic flows
- Edita Máčajová, Bratislava, Permutation snarks
- **Problem session**

Early afternoon session

- Magnús Már Halldórsson, Reykjavik, Graph coloring as a model of wireless scheduling

Late afternoon session A

- Rafał Kalinowski, Kraków, Dense on-line arbitrarily partitionable graphs
- Erika Škrabuľáková, Košice, Nonrepetitive vertex-colourings of products of graphs
- Michel Surmacs, Aachen, Bounds on the oriented diameter of graphs

Late afternoon session B

- Přemysl Holub, Plzeň, Packing colouring of outerplanar graphs
- Edita Rollová, Plzeň, Perfect matchings of regular bipartite graphs
- Martina Mockovčiaková, Plzeň, On coloring of double disk graphs

Welcome party

Tuesday, September 8

Early morning session

- Daniel W. Cranston, Richmond, Fractional coloring of planar graphs and the plane
- Stanislav Jendroľ, Košice, Facial colourings of plane graphs
- Ingo Schiermeyer, Freiberg, Chromatic number of P_5 -free graphs: χ -bounding functions

Late morning session

- Ján Mazák, Bratislava, Lower bound on TSP in simple cubic graphs
- Robert Lukořka, Bratislava, Short cycle covers of weighted cubic graphs
- **Problem session**

Early afternoon session

- Roman Nedela, Plzeň, Hamilton cycles in cubic maps

Late afternoon session A

- Attila Kiss, Budapest, On the Erdős-Faber-Lovász Conjecture
- Zdeněk Ryjáček, Plzeň, Characterization of graphs with exclusive sum labeling
- František Kardoš, Bordeaux, Diameter of fullerene graphs

Late afternoon session B

- Martin Knor, Bratislava, Wiener index and congruences
- Paweł Rzażewski, Warsaw, Sequences with radius k for graphs
- László F. Papp, Budapest, Optimal pebbling number of grids

Wednesday, September 9

- **Free programme**

Thursday, September 10

Early morning session

- Jakub Przybyło, Kraków, Locally irregular graph colourings and labellings
- Jan Volec, Zurich, Rainbow triangles in 3-edge-colored graphs
- Barbora Candráková, Bratislava, Graphs with high circular chromatic index

Late morning session

- Charles Curtis Lindner, Auburn, How to squash a 6-cycle system into a Steiner triple system
- Zsolt Tuza, Budapest, Tropical domination in graphs
- Csilla Bujtás, Budapest, General upper bound on the game domination number of forests

Early afternoon session

- Éric Sopena, Bordeaux, Incidence coloring of graphs

Late afternoon session A

- Arnfried Kemnitz, Braunschweig, Sum list colorings of graphs
- Paweł Naroski, Warsaw, The achromatic colourings of uniform hypergraphs
- Michał Tuczyński, Warsaw, On cordial hypertrees

Late afternoon session B

- Mária Maceková, Košice, Optimal unavoidable sets of types of 3-paths for planar graphs of given girth
- Pavol Široczi, Košice, Light graphs in planar graphs of large girth
- Michaela Vrbjarová, Košice, On edge-colorings of graphs with local constraints

Farewell party

Friday, September 11

Early morning session

- Iwona Włoch, Rzeszów, On the Jacobsthal numbers in graphs
- Dorota Bród, Rzeszów, On two generalizations of Lucas numbers and their interpretations in graphs
- Urszula Bednarz, Rzeszów, The number of $(A, 2B)$ -edge colourings in trees

Late morning session

- Martin Merker, Lyngby, Bounded-diameter arboricity
- Izolda Gorgol, Lublin, Avoiding rainbow 2-connected subgraphs
- Paweł Bednarz, Rzeszów, $(2 - d)$ -kernels in graphs