



**CID 2009**

**PROGRAMME**



MONDAY 21.09.09

7.30- 8.30 BREAKFAST

**ROOM A:** Chairman Zdzisław Skupień

8.50- 9.00 OPENING CEREMONY

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9.00-10.00 Douglas F. Rall  
*Recent Work on Vizing's Conjecture*

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10.00-10.10 BREAK

**ROOM A:** Chairman Zdzisław Skupień

10.10-10.30 Michael A. Henning  
*Domination-type parameters in cubic graphs*

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10.40-11.00 Roman Čada  
*On domination in graph products*

**ROOM B:** Chairman Jerzy Topp

10.10-10.30 Andrea Feňovčíková  
*Vertex-antimagic labelings of regular graphs*

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10.40-11.00 Magda Dettlaff  
*On the planarity and outerplanarity of iterated graphs*

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11.00-11.30 COFFEE BREAK

**ROOM A:** Chairman Marietjie Frick

11.30-11.50 Hortensia Galeana-Sánchez  
*Kernels by monochromatic paths and the class color digraph*

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12.00-12.20 Guadalupe Gaytán Gómez  
*On monochromatic paths and quasi-transitive subdigraphs in arc-coloured digraphs*

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12.30-12.50 Mucuy-kak Guevara  
*About of the structure of kernel perfect and critical kernel-imperfect digraphs*

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13.00-13.20 César Hernández-Cruz  
*k-kernels in generalizations of tournaments*

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ROOM B: Chairman Michael A. Henning

11.30-11.50	Marián Klešč <i>On Cartesian products of cycles and their crossing numbers</i>
12.00-12.20	Štefan Schrötter <i>On crossing numbers of join of paths and cycles with other graphs</i>
12.30-12.50	Marian Olejar, Jr <i>A note on star product of graphs and generalized voltage assignments</i>
13.00-13.20	Marko Jakovac <i>The b-chromatic number of cubic graphs</i>
13.25-13.40	ANNOUNCEMENTS
13.40-14.40	LUNCH

ROOM A: Chairman Reinhardt Euler

15.30-16.30	Andre Raspaud <i>Star Coloring of graphs</i>
16.30-17.00	COFFEE BREAK

ROOM A: Chairman Reinhardt Euler

17.00-17.20	Peter Mihók <i>Generalized circular colouring of graphs</i>
17.30-17.50	Ingo Schiermeyer <i>Rainbow connection in graphs with minimum degree three</i>
18.00-18.20	Arnfried Kemnitz <i>d-Strong Edge Colorings of Graphs</i>
18.30-18.50	Csilla Bujtás <i>3-consecutive C-colorings of graphs</i>

ROOM B: Chairman Peter J. Slater

17.00-17.20	Marietjie Frick <i>Traceability of oriented graphs</i>
17.30-17.50	Susan van Aardt <i>The order of hypotraceable oriented graphs</i>
18.00-18.20	Lubica Staneková <i>Large vertex-transitive and Cayley digraphs with given degree and diameter</i>
18.30-18.50	Ilan A. Goldfeder <i>In- and ex-neighbors preserving independence: the strong arc-locally semicomplete digraphs</i>
19.00-20.00	DINNER



**TUESDAY 22.09.09**

7.30- 8.45 BREAKFAST

Chairman Jan Kratochvíl

9.00-10.00 Andreas Brandstädt  
*On Independent Vertex Sets and Induced Matchings*

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10.00-10.10 BREAK

**ROOM A:** Chairman Jan Kratochvíl

10.10-10.30 Peter J. Slater  
*Complementarity and Duality of Generalized Graphical Sub-  
set Parameters*

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10.40-11.00 Jochen Harant  
*Lower Bounds on the Independence Number in terms of Or-  
der and Size*

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**ROOM B:** Chairman Hortensia Galeana-Sánchez

10.10-10.30 Andrzej Żak  
*Packing graphs without short cycles in their complements*

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10.40-11.00 Agnieszka Görlich  
*On packable digraphs*

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11.00-11.30 COFFEE BREAK

**ROOM A:** Chairman Krystyna Balińska

11.30-11.50 J. Louis Sewell  
*Distance Independence in Graphs*

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12.00-12.20 Konstanty Junosza-Szaniawski  
*Counting independent sets in a claw-free graph*

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12.30-12.50 Michał Tuczyński  
*Counting maximal independent sets in graphs with maxi-  
mum degree 3*

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13.00-13.20 Joy Singleton  
*Independent sets meeting all longest paths*

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ROOM B: Chairman Arnfried Kemnitz

11.30-11.50	Gábor Bacsó <i>The "equal sum free subset" problem</i>
12.00-12.20	Mateusz Nikodem <i>Conductors and the Frobenius vector in the Sylvester-Frobenius change problem</i>
12.30-12.50	Anna Zapart <i>Fixed simplex property for retractable complexes</i>
13.00-13.20	Ardeshir Dolati <i>On the Fibonacci Number of Connected Cycle-Separated Graphs</i>

13.30-14.30 LUNCH

ROOM A: Chairman Ingo Schiermeyer

15.30-16.30	Margit Voigt <i>List colorings of graphs</i>
16.30-17.00	COFFEE BREAK

ROOM A: Chairman Ingo Schiermeyer

17.00-17.20	Zdzisław Skupień <i>Structure of graphs with numerous dominating sets</i>
17.30-17.50	Peter Borg <i>An upper bound for the size of a smallest independent dominating set of a graph</i>
18.00-18.20	Anna Kędzior <i>There are at least 660 universal one-sixths of <math>K_{17}</math></i>

ROOM B: Chairman Andre Raspaud

17.00-17.20	Anna Małafiejska <i>Interval incidence graph coloring</i>
17.30-17.50	Petros Petrosyan <i>Interval edge colorings of some products of graphs</i>
18.00-18.20	Iztok Peterin <i>Cartesian dimension of graphs</i>

19.30- BARBECUE



WEDNESDAY 23.09.09

7.00- 8.45 BREAKFAST

EXCURSIONS

15.30- 16.30 LUNCH IN OLIMP

**ROOM A:** Chairman Zsolt Tuza

17.00-17.20 Izolda Gorgol  
*Turan numbers for disjoint copies of graphs*

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17.30-17.50 Andrzej Jastrzębski  
*Generalisation of Turan's theorem*

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**ROOM B:** Chairman Stanislav Jendrol'

17.00-17.20 Roman Soták  
*Tight sets versus tight vectors - distance graphs versus lonely runner*

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17.30-17.50 Sylwia Cichacz  
*k-cordial hypertrees*

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17.50-18.00 BREAK

**ROOM A:** Chairman Zsolt Tuza

18.00-18.40 PROBLEM SESSION

19.00-20.00 DINNER



**THURSDAY 24.09.09**

7.30- 8.45 BREAKFAST

Chairman     Andreas Brandstädt

9.00-10.00     Jan Kratochvíl  
*Distance Constrained Graph Labeling: From Frequency As-  
signment to Graph Homomorphisms*

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10.00-10.10     BREAK

**ROOM A:** Chairman     Andreas Brandstädt

10.10-10.30     Stanislav Jendrol'  
*Parity vertex colourings of graphs*

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10.40-11.00     Piotr Borowiecki  
*On-line ranking of split-graphs*

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**ROOM B:** Chairman     Mariusz Woźniak

10.10-10.30     Sarah Artmann  
*Random procedures for dominating sets in bipartite graphs*

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10.40-11.00     Christian Löwenstein  
*The dichromatic number and the acyclic disconnection in  
tournaments*

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11.00-11.30     COFFEE BREAK

**ROOM A:** Chairman     Peter Mihók

11.30-11.50     Reinhardt Euler  
*On planar Toeplitz graphs*

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12.00-12.20     Tomasz Dzido  
*Altitude of  $r$ -partite graphs*

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12.30-12.50     Roger K. Yeh  
*The edge span of graph distance labeling*

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13.00-13.20     Monika Piłśniak  
*Coloring chip configurations on graphs and digraphs*

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**ROOM B:** Chairman Jochen Harant

11.30-11.50	Martin Knor <i>Domination in a digraph and in its reverse</i>
12.00-12.20	Miranda L. Roden-Bowie <i>On the Relations between Liars' Dominating and Set-sized Dominating Parameters</i>
12.30-12.50	Magdalena Lemańska <i>Some results for the weakly convex and convex domination numbers of a graph</i>
13.00-13.20	Joanna Raczek <i>Domination in unicyclic graphs</i>
13.30-14.30	LUNCH

**ROOM A:** Chairman Adam Paweł Wojda

15.30-16.30	Zsolt Tuza <i>New types of problems on hypergraph coloring</i>
16.30-17.00	COFFEE BREAK

**ROOM A:** Chairman Adam Paweł Wojda

17.00-17.20	Florent Foucaud <i>Bounds on the size of identifying codes for graphs of maximum degree <math>\Delta^*</math></i>
17.30-17.50	Rita Zuazua <i>2- and 3-existentially closed tournaments</i>
18.00-18.20	Bernardo Llano <i>The dichromatic number and the acyclic disconnection in tournaments</i>

**ROOM B:** Chairman Margit Voigt

17.00-17.20	Łukasz Rożej <i>Game chromatic number of graphs with locally bounded number of cycles</i>
17.30-17.50	Anna Fiedorowicz <i>Q-Ramsey classes of graphs</i>
18.00-18.20	Katarzyna Jesse-Józefczyk <i>Global secure sets in cographs</i>

20.00- BANQUET





**FRIDAY 25.09.09**

7.30- 8.45 BREAKFAST

**ROOM A:** Chairman Douglas F. Rall

9.00-10.00 Adam Paweł Wojda  
*Cyclic partitions of complete uniform hypergraphs*

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10.00-10.30 COFFEE BREAK

**ROOM A:** Chairman Douglas F. Rall

10.30-10.50 Martin Manrique  
*Level Hypergraphs*

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11.00-11.20 Paweł Narowski  
*A Linear Time Algorithm for Finding Long Cycles in Strongly Connected 3-Uniform Hypergraphs*

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11.30-11.50 Tomáš Madaras  
*On doubly light graphs*

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**ROOM B:** Chairman Adam Idzik

10.30-10.50 Halina Bielak  
*Chromatic and flow uniqueness in a family of 2-connected graphs*

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11.00-11.20 Jean-Marie Vanherpe  
*On Fulkerson conjecture*

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11.30-11.50 Ismael González Yero  
*On geodetic sets of a graph*

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12.00-13.00 LUNCH