

8th Gdansk Workshop on Graph Theory with panel lessons of summer school – Sopot, 26-30.06.2023

Monday

12:00	14:00	lunch	
14:00		opening ceremony	
14:30	15:30	Peter Borg	Domination, isolation and the Art Gallery Theorem
15:30	16:00	coffee break	
16:00	16:20	Pakanun Dokyeesun	Maker-Breaker domination game on Cartesian products of graphs
16:20	16:40	Cerina Villarta	COMBINATORIAL APPROACH IN COUNTING INDUCED PATHS IN A GRAPH: POLYNOMIAL REPRESENTATIONS
16:40	17:00	Stanisław Radziszowski	On Some Generalized Vertex Folkman Numbers
17:00	17:20	Sylvia Cichacz	Minimal k -critical bipartite graphs
19:00	22:00	welcome party with poster session	

Tuesday

9:00	10:00	Iwona Włoch	On $(1,2)$ -dominating sets and their variants in graphs
10:00	10:20	Adrian Michalski	Independent $\$(1,1)\$$ -dominating and $\$(1,2)\$$ -dominating sets in graph products
10:20	10:40	Anna Kosiorowska	On the existence of independent $\$\{j,k\}\$$ -dominating sets in the generalized corona of graphs
10:40	11:10	coffee break	
11:10	11:30	Dayle Scicluna	F-Isolation of graphs
11:30	11:50	Andrzej Żak	The integrity of grids
11:50	12:10	Narda Cordero-Michel	Cycle Lengths and Chromatic Number
12:10	12:30	Krzysztof Bartoszek	Characterizing phylogenetic tree indices through average coalescent times
12:35		conference photo	
13:00		lunch	
15:00		Michał Pilipczuk	A brief introduction to parameterized algorithms
	~17:00	coffee break	
	18:30	Michał Pilipczuk	A brief introduction to parameterized algorithms

Wednesday

9:00		Paweł Prałat	Analyzing algorithms using the differential equation method
~ 10:15		coffee break	
	12:30	Paweł Prałat	Analyzing algorithms using the differential equation method
12:30		lunch	
14:00	15:00	Jakub Przybyło	On degree irregularities in graphs
15:00	15:20	Elżbieta Sidorowicz	On Some Variants of Directed Proper Connections
15:20	15:40	Ofelia Cepeda Camargo	Twins and Semitwins in Digraphs
15:40	16:10	coffee break	
16:10	16:30	Bikash Bhattacharjya	H-integral and Gaussian integral normal mixed Cayley graphs
16:30	16:50	Konstanty Junosza-Szaniawski	Minimization of length of system of linear XOR equations
16:50	17:10	Dorota Kuziak	On the total mutual-visibility number of lexicographic and Cartesian products of graphs
17:10	17:30	Przemysław Gordinowicz	From binary search through games to graphs
17:30		problem session	

Thursday

9:00	10:00	Rita Zuazua	The color of crowns
10:00	10:20	Bartłomiej Wróblewski	Edge coloring of signed cactus graphs
10:20	10:50	coffee break	
10:50	11:10	Hubert Grochowski	Partial Packing Coloring and Quasi Packing Coloring of a Triangular Grid
11:10	11:30	Paweł Twardowski	The polynomial method for 3-path extendability of list colourings of planar graphs
11:30	11:50	Carlos Vilchis-Alfaro	Trails in arc-colored digraphs with restriction in the color transitions
11:50	12:10	Federico Infusino	Studying Graphs Through Pawlak's Techniques
12:10	12:30	Ricardo Gómez	Graphs on integer compositions and musical scales
12:30		lunch	
14:00		Jarosław Grytczuk	Coloring games on graphs and words
	~16:00	coffee break	
	17:30	Jarosław Grytczuk	Coloring games on graphs and words
20:00	24:00	coference dinner	

Friday

9:00	10:00	Ismael Gonzalez Yero	On some mutual-visibility problems in graphs
10:00	10:20	Ewa Drgas-Burchardt	Consecutively colourable orientations of graphs (part I)
10:20	10:40	Marta Borowiecka-Olszewska	Consecutively colourable orientations of graphs (part II)
10:40	11:10	coffee break	
11:10	11:30	Krzysztof Turowski	Concentration of Degrees in the ~Duplication-Divergence Model
11:30	11:50	Anna Fiedorowicz	Independent $(k+1)$ -dominating sets in k -trees
11:50	12:10	Izolda Gorgol	GRAPHS IN ACTION
12:10	12:30	Juan Carlos García-Altamirano	How to construct the symmetric cycle of length 5 using Hajós construction
12:30	12:50	Paweł Prałat	The Erdos-Gyarfas function $f(n,4,5) = 5n/6 + o(n)$ --- so Gyarfas was right
13:00		lunch	