Bibliography

[1] T.V. Abramovskaya, F.V. Fomin, P.A. Golovach, M. Pilipczuk, How to hunt an invisible rabbit on a graph, *European Journal of Combinorics* **52** (2016) 12–26.

[2] S. Ahirwar, A. Bonato, L. Gittins, A. Huang, T.G. Marbach, T. Zaidman, Pursuit-evasion games on latin square graphs, Preprint 2022.

[3] M. Aigner, M. Fromme, A game of cops and robbers, *Discrete Applied Mathematics* **8** (1984) 1–11.

[4] B. Alspach, Sweeping and searching in graphs: a brief survey, *Matematiche* **5** (2006) 95–37.

[5] R. Baer, Polarities in finite projective planes, *Bulletin of the American Mathematical Society* **52** (1946) 77–93.

[6] P. Bahl, V.N. Padmanabhan, RADAR: an in-building RF-based user location and tracking system, In: *Proceedings of the Nineteenth Annual Joint Conference of the IEEE Computer and Communications Societies, IEEE*, 2000.

[7] W. Baird, A. Bonato, A. Beveridge, P. Codenotti, A. Maurer, J. McCauley, S. Valeva, On the minimum order of k-cop-win graphs, *Contributions to Discrete Mathematics* **9** (2014) 70–84.

[8] D. Bal, A. Bonato, W.B. Kinnersley, P. Prałat, Lazy Cops and Robbers played on hypercubes, *Combinatorics, Probability, and Computing* **24** (2015) 829–837.

[9] R. Ball, W. Bell, J. Guzman, M. Hanson-Colvin, N. Schonsheck, On the cop number of generalized Petersen graphs, *Discrete Mathematics* **340** (2017) 1381–1388.

[10] P. Balister, B. Bollobás, B. Narayanan, A. Shaw, Catching a fast robber on the grid, *Journal of Combinatorial Theory, Series A* **152** (2017) 341–352.

[11] L. Barrière, P. Flocchini, P. Fraigniaud, N. Santoro, Capture of an intruder by mobile agents, In: *Proceedings of the 14th annual ACM symposium on Parallel algorithms and architectures (SPAA'02)*, 2002.

[12] L. Barrière, P. Fraigniaud, N. Santoro, D. Thilikos, Searching is not jumping, In: *Proceedings of the 29th Workshop on Graph Theoretic Concepts in Computer Science (WG'03)*, 2003.

[13] P. Bastide, M. Bonamy, A. Bonato, P. Charbit, S. Kamali, T. Pierron, M. Rabie, Improved pyrotechnics: closer to the burning number conjecture, Preprint 2022.

[14] N.C. Behague, A. Bonato, M.A. Huggan, T.G. Marbach, B. Pittman, The localization capture time of a graph, accepted to *Theoretical Computer Science*.

[15] A. Berarducci, B. Intrigila, On the cop number of a graph, *Advances in Applied Mathematics* **14** (1993) 389–403.

[16] E.R. Berlekamp, J.H. Conway, R.K. Guy, *Winning Ways for your Mathematical Plays, Volume 2*, Academic Press, 1982.

[17] D. Berwanger, A. Dawar, P. Hunter, S. Kreutzer, DAG-width and parity games, In: *Proceedings of the 23rd Symposium of Theoretical Aspects of Computer Science (STACS'06)*, 2006.

[18] S. Bessy, A. Bonato, J. Janssen, D. Rautenbach, E. Roshanbin, Burning a graph is hard, *Discrete Applied Mathematics* **232** (2017) 73–87.

[19] S. Bessy, A. Bonato, J. Janssen, D. Rautenbach, and E. Roshanbin, Bounds on the burning number, *Discrete Applied Mathematics* **235** (2018) 16–22.

[20] D. Bienstock, P. Seymour, Monotonicity in graph searching, *Journal of Algorithms* **12** (1991) 239–245.

[21] L. Blin, J. Burman, N. Nisse, Exclusive graph searching, *Algorithmica* **77** (2017) 942–969.

[22] B. Bollobás, I. Leader, The angel and the devil in three dimensions, *Journal of Combinatorial Theory, Series A* **113** (2006) 176–184.

[23] A. Bonato, A survey of graph burning, *Contributions to Discrete Mathematics* **16** (2021) 185–197.

[24] A. Bonato, A. Burgess, Cops and Robbers on graphs based on designs, *Journal of Combinatorial Designs* **21** (2013) 359–418.

[25] A. Bonato, E. Chiniforooshan, P. Prałat, Cops and Robbers from a distance, *Theoretical Computer Science* **411** (2010) 3834–3844.

[26] A. Bonato, N.E. Clarke, D. Cox, S. Finbow, F. McInerney, M.E. Messinger, Hyperopic Cops and Robbers, *Theoretical Computer Science* **794** (2019) 59–68.

[27] A. Bonato, S. English, B. Kay, D. Moghbel, Improved bounds for burning fence graphs, *Graphs and Combinatorics* **37** (2021) 2761–2773.

[28] A. Bonato, S. Finbow, P. Gordinowicz, A. Haidar, W.B. Kinnersley, D. Mitsche, P. Prałat, L. Stacho, The robber strikes back, In: Proceedings of ICC3, 2013.

[29] A. Bonato, P.A. Golovach, G. Hahn, J. Kratochvíl, The capture time of a graph, *Discrete Mathematics* **309** (2009) 5588–5595.

[30] A. Bonato, P. Gordinowicz, W.B. Kinnersley, P. Prałat, The capture time of the hypercube, *Electronic Journal of Combinatorics* **20**(2) (2013).

[31] A. Bonato, K. Gunderson, A. Shaw, Burning the plane: Densities of the infinite Cartesian grid, *Graphs and Combinatorics* **36** (2020) 1311–1335.

[32] A. Bonato, G. Hahn, P. Gordinowicz, Cops and Robbers ordinals of cop-win trees, *Discrete Mathematics* **340** (2017) 951–956.

[33] A. Bonato, M.A. Huggan, T. Marbach, The localization number of designs, *Journal of Combinatorial Designs* **29** (2021) 175–192.

[34] A. Bonato, M.A. Huggan, T. Marbach, The localization number and metric dimension of graphs of diameter 2, accepted to *Contributions to Discrete Mathematics*.

[35] A. Bonato, M.A. Huggan, T. Marbach, F. Mc Inerney, The game of Cops and Eternal Robber, *Theoretical Computer Science* **874** (2021) 80–93.

[36] A. Bonato, S. Kamali, An improved bound on the burning number of graphs, Preprint 2022.

[37] A. Bonato, W. Kinnersley, Bounds on the localization number, *Journal of Graph Theory* (2020) 1–18.

[38] A. Bonato, J. Janssen, E. Roshanbin, Burning a graph as a model of social contagion, In: *Proceedings of WAW'14*, 2014.

[39] A. Bonato, J. Janssen, E. Roshanbin, How to burn a graph, *Internet Mathematics* **1-2** (2016) 85–100.

[40] A. Bonato, T. Lidbetter, Bounds on the burning numbers of spiders and path-forests, *Theoretical Computer Science* **794** (2019) 12–19.

[41] A. Bonato, G. MacGillivray, Characterizations and algorithms for generalized Cops and Robbers games, *Contributions to Discrete Mathematics* **2** (2017) 110–122.

[42] A. Bonato, M.E. Messinger, P. Prałat, Fighting constrained fires in graphs, *Theoretical Computer Science* **434** (2012) 11–22.

[43] A. Bonato, F. Mc Inerney, The game of Wall Cops and Robbers, In: *The Proceedings of the 2nd International Conference on Computational Models, Cyber Security, Computational Intelligence (ICC3)*, 2015.

[44] A. Bonato, D. Mitsche, X. Pérez-Giménez, P. Prałat, A probabilistic version of the game of Zombies and Survivors on graphs, *Theoretical Computer Science* **655** (2016) 2–14.

[45] A. Bonato, B. Mohar, Topological directions in Cops and Robbers *Journal of Combinatorics* **11** (2020) 47–64.

[46] A. Bonato, R.J. Nowakowski, *The Game of Cops and Robbers on Graphs*, American Mathematical Society, Providence, RI, 2011.

[47] A. Bonato, X. Pérez-Giménez, P. Prałat, B. Reiniger, Overprescribed Cops and Robbers, *Graphs and Combinatorics* **33** (2017) 801–815.

[48] A. Bonato, P. Prałat, *Graph Searching Games and Probabilistic Methods*, Chapman and Hall/CRC Press, Boca Raton, FL, 2017.

[49] A. Bonato, B. Yang, Graph searching and related problems, invited book chapter in: *Handbook of Combinatorial Optimization*, editors P. Pardalos, D.Z. Du, R. Graham, 2011.

[50] J.A. Bondy, P. Erdős, S. Fajtlowicz, Graphs of diameter two with no 4-circuits, *Discrete Mathematics* **200** (1999) 21–25.

[51] B. Bosek, P. Gordinowicz, J. Grytczuk, N. Nisse, J. Sokół, M. Śleszyńska-Nowak, Localization game on geometric and planar graphs, *Discrete Applied Mathematics* **251** (2018) 30–39.

[52] B. Bosek, P. Gordinowicz, J. Grytczuk, N. Nisse, J. Sokół, M. Śleszyńska-Nowak, Centroidal localization game, *Electronic Journal of Combinatorics* **25** no. 4 (2018), article P4.62.

[53] B.H. Bowditch, The angel game in the plane, *Combinatorics Probability and Computing* **16** (2007) 345–362.

[54] N. Bowler, J. Erde, F. Lehner, M. Pitz, Bounding the cop number of a graph by its genus, *SIAM Journal on Discrete Mathematics* (2021) **35** 2459–2489.

[55] A. Brandt, J. Diemunsch, C. Erbes, J. LeGrand, C. Moffatt, A robber locating strategy for trees, *Discrete Applied Mathematics* **232** (2017) 99–106.

[56] J. Breen, B. Brimkov, J. Carlson, L. Hogben, K.E. Perry, C. Reinhart. Throttling for the game of Cops and Robbers on graphs, *Discrete Mathematics* **341** (2018) 2418–2430.

[57] R.L. Breisch, An intuitive approach to speleotopology, *Southwestern Cavers* **6** (1967) 72–78.

[58] R.L. Breisch, *Lost in a Cave - Applying Graph Theory to Cave Exploration*, National Speleological Society, Huntsville, Alabama, 2012.

[59] A.C. Burgess, R.A. Cameron, N.E. Clarke, P. Danziger, S. Finbow, C.W. Jones, D.A. Pike, Cops that surround a robber, *Discrete Applied Mathematics* **285** (2020) 552–566.

[60] L. Cai, Y. Cheng, E. Verbin, Y. Zhou, Surviving rates of graphs with bounded treewidth for the firefighter problem, *SIAM Journal on Discrete Mathematics* **24** (2010) 1322–1335.

[61] L. Cai, E. Verbin, L. Yang, Firefighting on tres: $(1 - 1/e)$-approximation, fixed parameter tractability and a subexponential algorithm, In: *Algorithms and Computation, Lecture Notes in Computer Science* **5369** (2008) 258–269.

[62] L. Cai, W. Wang, The surviving rate of a graph for the firefighter problem, *SIAM Journal on Discrete Mathematics* **23** (2009) 1814–1826.

[63] P.J. Cameron, *Combinatorics: Topics, Techniques, Algorithms*, Cambridge University Press, 1996.

[64] D.G. Cantor, W.H. Mills, Determination of a subset from certain combinatorial properties, *Canadian Journal of Mathematics* **18** (1966) 42–48.

[65] J. Carraher, I. Choi, M. Delcourt, L.H. Erickson, D.B. West, Locating a robber on a graph via distance queries, *Theoretical Computer Science* **463** (2012) 54–61.

[66] G. Chappell, J. Gimbel, C. Hartman, Bounds on the metric and partition dimensions of a graph, *Ars Combinatoria* **88** (2008) 349–366.

[67] G. Chartrand, L. Eroh, M.A. Johnson, O.R. Oellermann, Resolvability in graphs and the metric dimension of a graph, *Discrete Applied Mathematics* **105** (2000) 99–113.

[68] T.H. Chung, G.A. Hollinger, V. Isler, Search and pursuit-evasion in mobile robotics - a survey, *Autonomous Robots* **31** (2011) 299–316.

[69] N.E. Clarke, *Constrained Cops and Robber*, PhD Thesis, Dalhousie University, 2002.

[70] N.E. Clarke, D. Cox, C. Duffy, D. Dyer, S.L. Fitzpatrick, M.E. Messinger, Limited visibility Cops and Robber, *Discrete Applied Mathematics* **282** (2020) 53–64.

[71] N.E. Clarke, S. Finbow, S.L. Fitzpatrick, M.E. Messinger, R.J. Nowakowski, Seepage in directed acyclic graphs, *Australasian Journal of Combinatorics* **43** (2009) 91–102.

[72] N.E. Clarke, M.E. Messinger, G. Power, Bounding the search number of graph products, *Kyungpook Mathematical Journal* **59** (2019) 175–190.

[73] J.H. Conway, The Angel problem, In: R. Nowakowski (Ed.), *Games of No Chance, Volume 29*, MSRI Publications, 1996, pp. 3–12.

[74] D.W. Cranston, W.B. Kinnersley, K.G. Milans, G.J. Puleo, D.B. West. Chainmaking games in grid-like posets, *Journal of Combinatorics* **3** (2012) 633-649.

[75] D.W. Cranston, C.D. Smyth, D.B. West, Revolutionaries and spies in trees and unicyclic graphs, *Journal of Combinatorics* **3** (2012) 195–206.

[76] D. Crytser, N. Komarov, J. Mackey, Containment: A Variation of Cops and Robber, *Graphs and Combinatorics* **36** (2020) 591–605.

[77] J.J. Daymude, K. Hinnenthal, A.W. Richa, C. Scheideler, Computing by programmable particles, In: P. Flocchini, G. Prencipe, N. Santoro (eds), Distributed Computing by Mobile Entities, *Lecture Notes in Computer Science*, **11340** 2019.

[78] A. Dean, S. English, T. Huang, R.A. Krueger, A. Lee, M. Mizrahi, C. Wheaton-Werle, Firefighting on the hexagonal grid and on infinite trees, Preprint 2022.

[79] D. Dereniowski, D. Dyer, R. Tifenbach, B. Yang, Zero-visibility cops & robber and the pathwidth of a graph, *Journal of Combinatorial Optimization* **29** (2015) 541–564.

[80] D. Dereniowski, D. Dyer, B. Yang, The complexity of zero-visibility cops and robber, *Theoretical Computer Science* **607** 135–148.

[81] M. Develin, S.G. Hartke, Fire containment in grids of dimension three and higher, *Discrete Applied Mathematics* **155** (2007) 2257–2268.

[82] R. Diestel, *Graph theory*, Springer-Verlag, New York, 2000.

[83] H.E. Dudeney, *Amusements in Mathematics*, Nelson, London, 1917.

[84] D. Dyer, *Sweeping Graphs and Digraphs*, PhD Thesis, Simon Fraser University, 2004.

[85] D. Dyer, E. Martínez-Pedroza, B. Thorne, The coarse geometry of Hartnell's firefighter problem on infinite graphs, *Discrete Mathematics* **340** (2017) 935–950.

[86] D. Dyer, B. Yang, Öznur Yaşar, On the fast searching problem, In: *Proceedings of the 4th International Conference on Algorithmic Aspects in Information and Management (AAIM'08)*, 2008.

[87] J. Ellis, I. Sudborough, J. Turner, The vertex separation and search number of a graph, *Information and Computation* **113** (1994) 50–79.

[88] P. Erdős, A. Rényi, On two problems of information theory, *Magyar Tudomanyos Akademia Matematikai Kutató Intezetenek K ozlemenyei* **8** (1963) 229–243.

[89] T. Erlebach, J.T. Spooner. A game of cops and robbers on graphs with periodic edge-connectivity, In: *Proceedings of the 46th International Conference on Current Trends in Theory and Practice of Computer Science*, 2020.

[90] L. Esperet, J. van den Heuvel, F. Maffray, F. Sipma. Fire containment in planar graphs, *Journal of Graph Theory* **73** (2013) 267–279.

[91] S. Finbow, B. Hartnell, Q. Li, K. Schmeisser, On minimizing the effects of fire or a virus on a network, *Journal of Combinatorial Mathematics and Combinatorial Computing* **33** (2000) 311–322.

[92] S. Finbow, G. MacGillivray, The Firefighter problem: a survey of results, directions and questions. *Australasian Journal of Combinatorics* **43** (2009) 57–77.

[93] P. Fogarty, *Catching the fire on grids*, Master's Thesis, University of Vermont, 2003.

[94] F.V. Fomin, P. Fraigniaud, N. Nisse, Nondeterministic graph searching: From pathwidth to treewidth, *Algorithmica* **53** (2009) 358–373.

[95] F.V. Fomin, P.A. Golovach, J. Kratochvíl, N. Nisse, K. Suchan, Pursuing a fast robber on a graph, *Theoretical Computer Science* **411** (2010) 1167–1181.

[96] F.V. Fomin, P.A. Golovach, D.M. Thilikos, Can Romeo and Juliet Meet? or rendezvous games with adversaries on graphs, In: *47th International Workshop on Graph-Theoretic Concepts in Computer Science*, 2021.

[97] F.V. Fomin, D.M. Thilikos, An annotated bibliography on guaranteed graph searching, *Theoretical Computer Science* **399** (2008) 236–245. 2008.

[98] P. Frankl, Cops and robbers in graphs with large girth and Cayley graphs, *Discrete Applied Mathematics* **17** (1987) 301–305.

[99] A. Frieze, M. Krivelevich, P. Loh, Variations on Cops and Robbers, *Journal of Graph Theory* **69** (2012) 383–402.

[100] Z. Gao, B. Yang, The cop number of the one-cop-moves game on planar graphs, *Journal of Combinatorial Optimization* **62** (2019).

[101] M. Gardner, Mathematical games, *Scientific American* **230** (1974) 106–108.

[102] T. Gavenčiak, Cop-win graphs with maximal capture-time, *Discrete Mathematics* **310** (2010) 1557–1563.

[103] T. Gavenčiak, J. Kratochvíl, P. Prałat, Firefighting on square, hexagonal, and triangular grids, *Discrete Mathematics* **337** (2014) 142–155.

[104] J.R. Gilbert, J.P. Hutchinson, R.E. Tarjan, A separator theorem for graphs of bounded genus, *Journal of Algorithms* **5** (1984) 391–407.

[105] A. Glos, J.A. Miszczak, The role of quantum correlations in Cop and Robber game, *Quantum Studies: Mathematics and Foundations* **6** (2019) 15–26.

[106] W. Goddard, S.M. Hedetniemi, S.T. Hedetniemi, Eternal security in graphs, *Journal of Combinatorial Mathematics and Combinatorial Computing* **52** (2005) 160–180.

[107] P.A. Golovach, Equivalence of two formalizations of a search problem on a graph, *Vestnik Leningrad University, Mathematics* **22** (1989) 13–19

[108] P.A. Golovach, A topological invariant in pursuit problems, *Differential Equations* **25** (1989) 657–661.

[109] P. Gordinowicz, The 2-surviving rate of planar graphs with average degree lower than 9/2, *Journal of Graph Theory* **89** (2018) 341–349.

[110] P. Gordinowicz, Erratum: The 2-surviving rate of planar graphs with average degree lower than 9/2, *Journal of Graph Theory* **97** (2021) 466–469.

[111] P. Hall, On representatives of subsets, *Journal of the London Mathematical Society* **10** (1935) 26–30.

[112] F. Harary, R.A. Melter, On the metric dimension of a graph, *Ars Combinatoria* **2** (1976) 191–195.

[113] B. Hartnell, Firefighter! an application of domination, In: *25th Manitoba Conference on Combinatorial Mathematics and Computing*, 1995.

[114] B. Hartnell, Q. Li, Firefighting on trees: how bad is the greedy algorithm? In: *Proceedings of Congressus Numerantium* **145** (2000) 187–192.

[115] J. Haslegrave, R.A.B. Johnson, S. Koch, Locating a robber with multiple probes, *Discrete Mathematics* **341** (2018) 184–193.

[116] M. Hiller, E. Triesch, A.M.C.A. Koster, On the burning number of p-Caterpillars, Preprint 2022.

[117] A.J. Hoffman, R.R. Singleton, On Moore graphs with diameter 2 and 3, IBM Journal of Research and Development **4** (1960) 497–504.

[118] M.A. Huggan, R.J. Nowakowski, Cops and an Insightful Robber, *Discrete Applied Mathematics* **295** (2021) 112–119.

[119] R. Janssen, The burning number of directed graphs: bounds and computational complexity, *Theory and Applications of Graphs* **7** (2020), Art. 8, 14 pp.

[120] R.A.B. Johnson, S. Koch, Subgraphs and colourability of locatable graphs, Preprint 2022.

[121] G. Joret, M. Kamínski, D.O. Theis, The cops and robber game on graphs with forbidden (induced) subgraphs, *Contributions to Discrete Mathematics* **5** (2010) 40–51.

[122] S. Kamali, A. Miller, K. Zhang, Burning two worlds: algorithms for burning dense and tree-like graphs, In: *Proceedings of the International Conference on Current Trends in Theory and Practice of Informatics (SOFSEM 2020)*, 2020.

[123] Ath. Kehagias, G. Konstantinidis, Selfish cops and passive robber: Qualitative games, *Theoretical Computer Science* **680** (2017) 25–35.

[124] A. Kehagias, D. Mitsche, P. Prałat, Cops and invisible robbers: The cost of drunkenness, *Theoretical Computer Science* **481** (2013) 100–120.

[125] D. Kempe, J. Kleinberg, E. Tardos, Maximizing the spread of influence through a social network, In: *Proceedings of the 9th International Conference on Knowledge scovery and Data Mining (KDD)*, 2003.

[126] N.G. Kinnersley, The vertex separation number of a graph equals its path-width, *Information Processing Letters* 42:345–350, 1992.

[127] L.M. Kirousis, C.H. Papadimitriou, Interval graphs and searching, *Discrete Mathematics* **55** (1985) 181–184.

[128] L.M. Kirousis, C.H. Papadimitriou, Searching and pebbling, *Theoretical Computer Science* **47** (1986) 205–216.

[129] O. Kloster, A solution to the angel problem, *Theoretical Computer Science* **389** (2007) 152–161.

[130] M. Kutz, Conway's Angel in three dimensions, *Theoretical Computer Science* **349** (2005) 443–451.

[131] M. Land, L. Lu, An upper bound on burning number of graphs, In: *Proceedings of WAW'16*, 2016.

[132] A.S. LaPaugh, Recontamination does not help to search a graph, *Journal of the ACM* **40** (1993) 224–245.

[133] F. Lehner, Firefighting on trees and Cayley graphs, *Australasian Journal of Combinatorics* **75** (2019) 66–72.

[134] F. Lehner, On the cop number of toroidal graphs, *Journal of Combinatorial Theory, Series B* **151** (2021) 250–262.

[135] B. Lindström, On a combinatory detection problem I, *Magyar Tudomanyos Akademia Matematikai Kutató Intezetenek K ozlemenyei* **9** (1964) 195–207.

[136] H. Liu, X. Hu, X. Hu, Burning number of caterpillars, *Discrete Applied Mathematics* **284** (2020) 332–340.

[137] L. Lovász, Kneser's conjecture, chromatic numbers and homotopy, *Journal of Combinatorial Theory, Series A* **25** (1978) 319–324.

[138] L. Lu, X. Peng, On Meyniel's conjecture of the cop number, *Journal of Graph Theory* **71** (2012) 192–205.

[139] A. Lubiw, J. Snoeyink, H. Vosoughpour, Visibility graphs, dismantlability, and the cops and robbers game, In: *Proceedings of Computational geometry : theory and applications*, 2017.

[140] G. MacGillivray, P. Wang. On the firefighter problem, *Journal of Combinatorial Mathematics and Combinatorial Computing* **47** (2003) 83–96.

[141] A. Máthé, The angel of power 2 wins, *Combinatorics, Probability and Computing* **16** (2007) 363–374.

[142] F. Mc Inerney, *Wall Cops and Robbers*, Master's Thesis, Ryerson University, 2015.

[143] N. Megiddo, S.L. Hakimi, M. Garey, D. Johnson, C.H. Papadimitriou, The complexity of searching a graph, *Journal of ACM* **35** (1998) 18–44.

[144] A. Merhrabian, The capture time of grids, *Discrete Mathematics* **311** (2011) 102–105.

[145] M.E. Messinger, *Firefighting on infinite grids*, Master's Thesis, Dalhousie University, 2004.

[146] M.E. Messinger, Firefighting on the triangular grid, *Journal of Combinatorial Mathematics and Combinatorial Computing* **63** (2007) 37–45.

[147] M.E. Messinger, S. Yarnell, The Pyro game: a slow intelligent fire, Preprint 2022.

[148] M. Miller, J. Širáň, Moore graphs and beyond: a survey of the degree/diameter problem, *The Electronic Journal of Combinatorics*, **20(2)** (2013) # DS14v2.

[149] D. Mitsche, P. Prałat, E. Roshanbin, Burning graphs—a probabilistic perspective, *Graphs and Combinatorics* **33** (2017) 449–471.

[150] D. Mitsche, P. Prałat, E. Roshanbin, Burning number of graph products, *Theoretical Computer Science* **746** (2018) 124–135.

[151] D. Moghbel, *Topics in graph burning and datalog*, PhD Thesis, Ryerson University, 2020.

[152] B. Mohar, C. Thomassen, *Graphs on Surfaces*, Johns Hopkins University Press, 2001.

[153] H. Morris, J. Morris, On Generalised Petersen graphs of girth 7 that have cop number 4, accepted to *The Art of Discrete and Applied Mathematics*.

[154] D. Mubayi, J. Williford, On the independence number of the Erdős-Rényi and projective norm graphs and related hypergraph, *Journal of Graph Theory* **56** (2007) 113-127.

[155] P.J. Nahin, *Chases and Escapes. The Mathematics of Pursuit and Evasion*, Princeton University Press, Princeton NJ, 2007.

[156] S. Neufeld, R.J. Nowakowski, A game of cops and robbers played on products of graphs, *Discrete Mathematics* **186** (1998) 253–268.

[157] N. Nisse, Network Decontamination, In: *Distributed Computing by Mobile Entities*, Lecture Notes in Computer Science **11340** pp. 516–548, 2019.

[158] N. Nisse, K. Suchan, Fast robber in planar graphs, *Graph-Theoretic Concepts in Computer Science*, Lecture Notes in Computer Science, **5344**, Springer Berlin Heidelberg, 2008, pp. 312–323.

[159] R.J. Nowakowski, I. Rival, On a class of isometric subgraphs of a graph, *Combinatorica* **2** (1982) 79–90.

[160] R.J. Nowakowski, P. Winkler, Vertex-to-vertex pursuit in a graph, *Discrete Mathematics* **43** (1983) 235–239.

[161] J. Obdržálek, DAG-width: connectivity measure for directed graphs, In: *Proceedings of the 17th Annual ACM-SIAM Symposium on Discrete Algorithms (SODA'06)*, 2006.

[162] D. Offner, K. Okajian, Variations of Cops and Robber on the hypercube, *Australasian Journal of Combinatorics* **59** (2014) 229–250.

[163] T.D. Parsons, Pursuit-evasion in a graph, In: *International Conference on Theory and applications of graphs*, pp. 426–441. Lecture Notes in Mathematics, **642**, Springer, Berlin, 1978.

[164] T.D. Parsons, The search number of a connected graph, In: *Proceedings of the Ninth Southeastern Conference on Combinatorics, Graph Theory and Computing*, Congressus Numerancium, XXI, pp. 549–554. Utilitas Mathematica, 1978.

[165] N.N. Petrov. A problem of pursuit in the absence of information on the pursued, *Differentsialnye Uravneniya* **18** (1982) 1345–1352.

[166] P. Pisantechakool, X. Tan, On the capture time of Cops and Robbers game on a planar graph, In: *Proceedings of the International Conference on Combinatorial Optimization and Applications (COCOA)*, 2016.

[167] P. Prałat, Graphs with average degree smaller than 30/11 burn slowly, *Graphs and Combinatorics* **30** (2014) 455–470.

[168] A. Quilliot, Jeux et pointes fixes sur les graphes, *Thèse de 3ème cycle*, Université de Paris VI, 1978, 131–145.

[169] A. Quilliot, *Problèmes de jeux, de point Fixe, de connectivité et de represésentation sur des graphes, des ensembles ordonnés et des hypergraphes*, Thèse d'Etat, Université de Paris VI, 1983, 131–145.

[170] N. Robertson, P.D. Seymour, Graphs minors. III. Planar tree-width, *Journal of Combinatorial Theory, Series B* **36** (1984) 49–64.

[171] E. Roshanbin, *Burning a graph as a model of social contagion*, PhD Thesis, Dalhousie University, 2016.

[172] B.S.W. Schröder, The copnumber of a graph is bounded by $\lfloor \frac{3}{2}\text{genus}(G)\rfloor + 3$, Categorical perspectives (Kent, OH, 1998), Trends Math., Birkhäuser Boston, Boston, MA, 2001, 243–263.

[173] A. Scott, B. Sudakov, A bound for the cops and robbers problem, *SIAM Journal of Discrete Mathematics* **25** (2011) 1438–1442.

[174] S. Seager, Locating a robber on a graph, *Discrete Mathematics* **312** (2012) 3265–3269.

[175] S. Seager, Locating a backtracking robber on a tree, *Theoretical Computer Science* **539** (2014) 28–37.

[176] P. Seymour, R. Thomas, Graph searching and a min-max theorem for tree-width, *Journal of Combinatorial Theory, Series B* **58** (1993) 22–33.

[177] K.A. Sim, T.S. Tan, K.B. Wong, On the burning number of generalized Petersen graphs, *Bulletin of the Malaysian Mathematical Sciences Society* **41** (2018) 1657–1670.

[178] P.J. Slater, Leaves of trees, In: *Proceedings of the Sixth Southeastern Southeastern Conference on Combinatorics, Graph Theory, Computing, Congressus Numerantium* **14** (1975) 549–559.

[179] B.W. Sullivan, N. Townsend, M.L. Werzanski, An introduction to lazy cops and robbers on graphs, *The College Mathematics Journal* **48** (2017) 322–333.

[180] A. Tang, *Cops and Robber with Bounded Visibility*, Master's Thesis, Dalhousie University, 2004.

[181] R. Tošić, Vertex-to-vertex search in a graph, In: *Proceedings of the Sixth Yugoslav Seminar on Graph Theory, Dubrovnik* (1985) 233–237.

[182] P. Wang, S.A. Moeller, Fire control on graphs, *Journal of Combinatorial Mathematics and Combinatorial Computing* **41** (2002) 19–34.

[183] D.B. West, *Introduction to Graph Theory, 2nd edition*, Prentice Hall, Upper Saddle River, NJ, 2001.

[184] Y. Xue, B. Yang, S. Zilles, A simple method for proving lower bounds in the zero-visibility cops and robber game, *Journal of Combinatorial Optimization* **31** (2021).

[185] B. Yang, D. Dyer, B. Alspach, Sweeping graphs with large clique number, *Discrete Mathematics* **309** (2009) 5770–5780.

[186] F. Yang, *1-visibility cops and robber problem*, Honour's Thesis, University of Prince Edward Island, 2012.