

Curriculum Vitae  
**PIOTR FALISZEWSKI**  
December 11th, 2017

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AGH University of Science and Technology  
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## RESEARCH AREAS

Computational social choice; preference aggregation; (parametrized) complexity of elections; cooperative game theory; algorithms and complexity, approximation algorithms. I am particularly interested in ideas, concepts, and research spanning and linking all these areas.

## PERSONAL

Polish Citizen; Born 11/07/1980 in Kraków, Poland; single.

## REFERENCES

Available upon request.

## EDUCATION

- **AGH University of Science and Technology**  
Habilitation in Computer Science, granted on July 11th, 2013.  
Single-topic collection of papers: Algorithmic Tools for Elections
- **University of Rochester**  
Ph.D. in Computer Science, 2004–2008, advisor: Professor Lane A. Hemaspaandra  
Thesis title: Manipulation of Elections: Algorithms and Infeasibility Results  
M.S. in Computer Science, 2004–2006.
- **AGH University of Science and Technology**, Kraków, Poland  
5-year B.S./M.S. in Computer Science, 1999–2004.

## ACADEMIC EXPERIENCE

- **AGH University of Science and Technology**, Kraków, Poland  
Associate Professor at the Department of Computer Science  
(November 1st, 2015–present)  
Assistant Professor at the Department of Computer Science  
(January 1st, 2009–October 31st, 2015)
- **Université Paris-Dauphine**, Paris, France  
Visiting Professor (one month in the academic year 2015-2016)

- **Technische Universität Berlin**, Berlin, Germany  
Mercator Fellow (six months in 2013–2014)
- **Rochester Institute of Technology**, Rochester, NY 14623, USA  
Adjunct at the Department of Computer Science, 6/2005–8/2005, 6/2006–8/2006, 6/2007–8/2007, 6/2008–8/2008.
- **University of Rochester**, Rochester, NY 14627, USA  
Teaching Assistant at the Department of Computer Science, 1/2005–5/2005, 9/2005–12/2005, 1/2006–5/2006, and 9/2006–12/2006.
- **AGH University of Science and Technology**, Kraków, Poland  
Teaching Assistant at the Department of Computer Science, 10/2003–8/2004.  
Research Assistant at the Department of Computer Science, 10/2003–8/2004.
- **ACC Cyfronet**  
Student Internship; worked on the CrossGrid Project, Summer 2002.
- **Technion Israel Institute of Technology**  
Took part in the SciTech '97 Student Research program, Summer 1997.

## PHD STUDENTS

- dr Piotr Skowron, University of Warsaw; defense April 2nd, 2015 (confirmed April 23rd, 2015); graduated with distinction; runner up for the 2015 IFAAMAS Victor Lesser Distinguished Dissertation Award.
- dr Marcin Waniek, University of Warsaw; defense June 29th, 2017.
- Krzysztof Magiera, AGH University of Science and Technology.
- Stanisław Szufa, Jagiellonian University.

## ACADEMIC SERVICE

- **Program Committee (co)chair:**
  1. The 41st International Symposium on Mathematical Foundations of Computer Science (MFCS), Kraków, August 2016 (also local organizer);
  2. Workshop on Challenges in Algorithmic Social Choice (Bad Belzig, Germany, October 8–11, 2014);
  3. The 4th International Workshop on Computational Social Choice (COMSOC-2012); (also local organizer).
- **Member of the steering committee** of the International Workshop on Computational Social Choice (COMSOC) for the period September 2012–June 2016.
- **Management Committee representative for Poland in COST action IC1205.**
- **Invited talks/tutorials:**
  - Recent Advances in Parametrized Complexity (invited tutorial on computational social choice; Tel Aviv, Israel, December 3–7, 2017),
  - 4th International Conference on Behavioral, Economic, and Socio-Cultural Computing (BESC 2017, Kraków, Poland),

- PhD Open course at the University of Warsaw (October 12-14, 2017, Warsaw, Poland),
- IJCAI 2017: Early Career Spotlights (August 2017, Melbourne, Australia),
- COST IC1205 Workshop (Sibiu, Romania, 2014),
- Warsaw Workshop on Economic and Computational Aspects of Game Theory and Social Choice (ECAGS-2014, Warsaw, Poland),
- Logic, Games, and Social Choice (LGS-2011, Bucharest, Romania),
- Parallel Problem Solving from Nature (PPSN-2010, Kraków, Poland).
- **Senior Program Committee member:** Twenty-Seventh International Joint Conference on Artificial Intelligence (IJCAI-2018), Twenty-Sixth International Joint Conference on Artificial Intelligence (IJCAI-2017), Twenty-Fifth International Joint Conference on Artificial Intelligence (IJCAI-2016), Twenty-Fourth International Joint Conference on Artificial Intelligence (IJCAI-2015), Fourteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2015), Twenty-Third International Joint Conference on Artificial Intelligence (IJCAI-2013), Eleventh International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2012).
- **Program Committee member:** Seventeenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2018), Thirty-Second AAAI Conference on Artificial Intelligence (AAAI-2018), Sixteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2017), Thirty-First AAAI Conference on Artificial Intelligence (AAAI-2017), Thirtieth AAAI Conference on Artificial Intelligence (AAAI-2016), Fifteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2016), Sixth International Workshop on Computational Social Choice (COMSOC-2016), Twenty-Second European Conference on Artificial Intelligence (ECAI-2016), Seventh Workshop on Cooperative Games in Multiagent Systems (CoopMAS-2016), Fourth International Conference on Algorithmic Decision Theory (ADT-2015), Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI-2015), Sixth Workshop on Cooperative Games in Multiagent Systems (CoopMAS-2015), The Second Workshop on Exploring Beyond the Worst Case in Computational Social Choice (Explore-2015), Fourteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2015), Seventh European Starting AI Researcher Symposium (STAIRS-2014), Fifteenth ACM Conference on Economics and Computation (ACM-EC-2014), Twenty-First European Conference on Artificial Intelligence (ECAI-2014), Fifth International Workshop on Computational Social Choice (COMSOC-2014), Fifth Workshop on Cooperative Games in Multiagent Systems (CoopMAS-2014), Tenth Spain-Italy-Netherlands Meeting on Game Theory (SING-2014), Twenty-Eighth AAAI Conference on Artificial Intelligence (AAAI-2014), Thirteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2014), Twenty-Seventh AAAI Conference on Artificial Intelligence (AAAI-2013), Fourth Workshop on Cooperative Games in Multiagent Systems (CoopMAS-2013), Twelfth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2013), Fifth International Symposium on Algorithmic Game Theory (SAGT-2012), Twentieth European Conference

on Artificial Intelligence (ECAI-2012), Twenty-Sixth AAAI Conference on Artificial Intelligence (AAAI-2012), Third Workshop on Cooperative Games in Multiagent Systems (CoopMAS-2012), IJCAI-2011 Workshop on Social Choice and Artificial Intelligence (WSCAI-2011), Second Workshop on Cooperative Games in Multiagent Systems (CoopMAS-2011), Twenty-Fifth AAAI Conference on Artificial Intelligence (AAAI-2011), Tenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2011), Twenty-Fourth AAAI Conference on Artificial Intelligence (AAAI-2010), Ninth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-2010), Third International Workshop on Computational Social Choice (COMSOC-2010), First Workshop on Cooperative Games in Multiagent Systems (CoopMAS-2010).

- **Associate editor:** *Journal of Artificial Intelligence Research* (2017–).
- **Guest handling editor:** *Computing and Informatics*.
- **Referee for journals:** *Games and Economic Behaviour*, *ACM Transactions on Algorithms*, *Information and Computation*, *Theoretical Computer Science*, *Theory of Computing Systems*, *Information Processing Letters*, *Journal of Artificial Intelligence Research*, *Journal of Mathematical Economics*, *Artificial Intelligence*, *Journal of Autonomous Agents and Multiagent Systems*, *Annals of Mathematics and Artificial Intelligence*, *Social Choice and Welfare*, *Neurocomputing*, *Discrete Applied Mathematics*, *Discrete Optimization*, *Mathematical Social Sciences*, *Mathematical Logic Quarterly*, *European Journal of Operations Research*, *Operations Research and Decisions*, *Electronic Commerce Research and Applications*, *Computing and Informatics*, *Journal of Universal Computer Science*, *International Journal of Foundations of Computer Science*, *International Journal of Applied Mathematics and Computer Science*
- **Referee for conferences:** STACS-17, WINE-15, SAGT-15, SODA-14, FOCS-14, FOCS-12, MFCS-12, TAMC-12, WINE-11, IJCAI-11, WINE-10, IPEC-10, MFCS-10, MFCS-09, IJCAI-09, AAMAS-09, AAAI-08, ICALP 08, AAMAS-08, AAAI-07, STACS-07, ICALP-06, ACM-EC-06, MFCS-06, MFCS-05.
- **Referee for workshops:** COMSOC-08, NESCAI-08.

## HONORS

- Winner of the “2013 Research Prize” of “Polityka” magazine (in the field of technical sciences”).
- Mercator Fellow with Prof. Rolf Niedermeier at the Technische Universität Berlin (2013–2014).
- Paper **Weighted Electoral Control** (joint work with Edith Hemaspaandra and Lane A. Hemaspaandra) nominated for the best paper award at th AAMAS-2013 conference.
- Nominated by the Department of Computer Science of the University of Rochester for a Outstanding Dissertation Award (2008).
- Nominated for the University of Rochester’s Edward Peck Curtis Award for Excellence in Teaching by Graduate Students (2007).

- AGH University of Science and Technology Rector's Award (2001).
- Member of the AGH University of Science and Technology team at the ACM Central European Programming Contest 2001 (ranked 19/60), and at the Polish Academic Programming Contest 2001 (ranked 18/45).
- Best presentation at SciTech'97 in the area of engineering (1997).

## FUNDING

- Principal investigator on the National Center for Science (NCN) Opus grant 2016/21/B/ST6/01509 (Spring 2017–Spring 2020).
- Principal investigator on the National Center for Science (NCN) Harmonia grant 2012/06/M/ST1/00358 (Spring 2013–Spring 2016).
- An investigator on the National Center for Science (NCN) Opus grant 2011/03/B/ST6/01393 (three years, starting in the Fall 2012).
- Stipend for young PhD's through EU's program: Program Operacyjny Kapitał Ludzki at AGH University of Science and Technology in Kraków, Poland (January 2011 through December 2011).
- Recipient of the Foundation for Polish Science's Powroty/Homing research award (two years, starting in the Fall 2009 + one year extension).
- Primary investigator on the Polish Ministry of Science and Higher Education Research grant N-N206-378637 (two years, starting in the Fall 2009).

## COURSES TAUGHT

- Algorithmic Game Theory, AGH University of Science and Technology. Instructor, completely responsible for the course (90 minutes a week). Fall 2013, 2014, 2015, 2016.
- Combinatorial Computing (MATHS-326), University of Auckland, New Zealand. Coinstructor (200 minutes a week, 4 weeks). Spring 2010.
- Theory of Computation and Computational Complexity I, AGH University of Science and Technology. Instructor, completely responsible for the course (90 minutes a week). Fall 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016.
- Algorithms for Computationally Hard Problems, AGH University of Science and Technology. Instructor, completely responsible for the course (90 minutes a week). Spring 2015, 2016.
- Theory of Computation and Computational Complexity II, AGH University of Science and Technology. Instructor, completely responsible for the course (90 minutes a week). Spring 2010, 2011, 2012, 2013, 2014.
- Algorithms and Data Structures, AGH University of Science and Technology. Instructor, completely responsible for the course (Spring 2013, 2014, 2015, 2016; 90 minutes a week, 15 weeks).
- Algorithms and Data Structures, AGH University of Science and Technology. Instructor, compulsory recitation sessions (Spring 2009, 2010, 2011, 2012; 90 minutes a week, 15 weeks).

- Introduction to Computer Science Theory, Rochester Institute of Technology. Instructor, completely responsible for the course (Summer 2008, 240 minutes a week, 10 weeks).
- Cryptography 1, Rochester Institute of Technology. Instructor, completely responsible for the course (Summer 2008, 240 minutes a week, 10 weeks), (Summer 2007, 240 minutes a week, 10 weeks).
- Programming Language Concepts, Rochester Institute of Technology. Instructor, completely responsible for the course (Summer 2007, 240 minutes a week, 10 weeks).
- Computer Networks and Data Communication 1, Rochester Institute of Technology. Instructor, completely responsible for the course (Summer 2007, 480 minutes a week, 5 weeks), (Summer 2006, 240 minutes a week, 10 weeks), (Summer 2005, 480 minutes a week, 5 weeks).
- Computational Complexity, University of Rochester. Teaching Assistant. Fall 2006, Fall 2005.
- Operating Systems 1, Rochester Institute of Technology. Instructor, completely responsible for the course (Summer 2006, 240 minutes a week, 10 weeks), (Summer 2005, 480 minutes a week, 5 weeks).
- Computer Models & Limitations, University of Rochester. Teaching Assistant and Recitation Leader (75 minutes a week). Spring 2006, Spring 2005.
- Theory of Computation, AGH University of Technology. Instructor, completely responsible for the course. Spring 2004.
- Theory of Computation and Computational Complexity I, AGH University of Science and Technology. Recitation Leader (90 minutes a week). Spring 2004.
- Theory of Computation and Computational Complexity II, AGH University of Science and Technology. Teaching Assistant. Fall 2003.
- Symbolic Programming II, AGH University of Science and Technology. Recitation Leader (Spring 2009, 90 minutes a week), (Fall 2003, 90 minutes a week).

## LIST OF PUBLICATIONS

### REFEREED JOURNAL PUBLICATIONS

1. **Elections with Few Voters: Candidate Control Can Be Easy**, J. Chen, P. Faliszewski, R. Niedermeier, N. Talmon, *Journal of Artificial Intelligence Research*, Vol. 60, pp. 937–1002, 2017.
2. **Chamberlin-Courant Rule with Approval Ballots: Approximating the MaxCover Problem with Bounded Frequencies in FPT Time**, P. Skowron, P. Faliszewski, *Journal of Artificial Intelligence Research*, Vol. 60, pp. 687–716, 2017.
3. **How Hard is Control in Single-Crossing Elections?**, K. Magiera, P. Faliszewski, *Autonomous Agents and Multiagent Systems*, Vol. 31(3), pp. 606–627, 2017.
4. **Multiwinner Voting in Genetic Algorithms**, P. Faliszewski, J. Sawicki, R. Schaefer, M. Smolka, *IEEE Intelligent Systems*, Vol. 32(1), pp. 40–48, 2017.
5. **Properties of Multiwinner Voting Rules**, E. Elkind, P. Faliszewski, P. Skowron, A. Slinko, *Social Choice and Welfare*, Vol. 48(3), pp. 599–632, 2017.
6. **Campaign Management under Approval-Driven Voting Rules**, I. Schlotter, E. Elkind, P. Faliszewski, *Algorithmica*, Vol. 77(1), pp. 84–115, 2017.
7. **Prices Matter for the Parameterized Complexity of Shift Bribery**, R. Bredebeck, J. Chen, P. Faliszewski, A. Nichterlein, R. Niedermeier, *Information and Computation*, Vol. 251, pp. 140–164, 2016.
8. **Finding a Collective Set of Items: From Proportional Multirepresentation to Group Recommendation**, P. Skowron, P. Faliszewski, J. Lang, *Artificial Intelligence*, Vol. 241, pp. 191–216, 2016.
9. **The Complexity of Priced Control in Elections**, T. Miąsko, P. Faliszewski, *Annals of Mathematics and Artificial Intelligence*, Vol. 77(3-4), pp. 225–250, 2016.
10. **The Complexity of Voter Control and Shift Bribery Under Parliament Choosing Rules**, T. Put, P. Faliszewski, *Transactions on Computational Collective Intelligence*, Vol. 23, pp. 29–50, 2016.
11. **Large-Scale Election Campaigns: Combinatorial Shift Bribery**, R. Bredebeck, P. Faliszewski, R. Niedermeier, N. Talmon, *Journal of Artificial Intelligence Research*, Vol. 55, pp. 603–652, 2016.
12. **On the Computational Cost and Complexity of Stochastic Inverse Solvers**, P. Faliszewski, M. Smolka, R. Schaefer, M. Paszynski, *Computer Science*, Vol. 17(2), pp. 225–264, 2016.
13. **Distance Rationalization of Voting Rules**, E. Elkind, P. Faliszewski, A. Slinko, *Social Choice and Welfare*, Vol. 45(2), pp. 345–377, 2015.

14. **Complexity of Manipulation, Bribery, and Campaign Management in Bucklin and Fallback Voting**, P. Faliszewski, Y. Reisch, J. Rothe, L. Schend, *Autonomous Agents and Multiagent Systems*, Vol. 29(6), pp. 1091–1124, 2015.
15. **Combinatorial Voter Control in Elections**, L. Bulteau, J. Chen, P. Faliszewski, R. Niedermeier, N. Talmon, *Theoretical Computer Science*, Vol. 589, pp. 99–120, 2015.
16. **Weighted Electoral Control**, P. Faliszewski, E. Hemaspaandra, L. Hemaspaandra, *Journal of Artificial Intelligence Research*, Vol. 52, pp. 507–542, 2015.
17. **Achieving Fully Proportional Representation: Approximability Results**, P. Skowron, P. Faliszewski, A. Slinko, *Artificial Intelligence*, Vol. 222, pp. 67–103, 2015.
18. **The Complexity of Fully Proportional Representation for Single-Crossing Electorates**, P. Skowron, L. Yu, P. Faliszewski, and E. Elkind, *Theoretical Computer Science*, Vol. 569, pp. 43–57, 2015.
19. **Parameterized Algorithmics for Computational Social Choice: Nine Research Challenges**, R. Bredereck, J. Chen, P. Faliszewski, J. Guo, R. Niedermeier, G. Woeginger, *Tsinghua Science and Technology*, Vol. 19(4), pp. 358–373, 2014.
20. **The Complexity of Manipulative Attacks in Nearly Single-Peaked Electorates**, P. Faliszewski, E. Hemaspaandra, L.A. Hemaspaandra, *Artificial Intelligence*, Vol. 207, pp. 69–99, 2014.
21. **Manipulating the Quota in Weighted Voting Games**, M. Zuckerman, P. Faliszewski, Y. Bachrach, E. Elkind, *Artificial Intelligence*, Vol. 180–181, pp. 1–19, 2012.
22. **Rationalizations of Condorcet-Consistent Rules via Distances of Hamming Type**, E. Elkind, P. Faliszewski, A. Slinko, *Social Choice & Welfare*, Vol. 39, #4, pp. 891–905, 2012.
23. **Cloning in Elections: Finding the Possible Winners**, E. Elkind, P. Faliszewski, A. Slinko, *Journal of AI Research*, Vol. 42, pp. 529–573, 2011.
24. **The Shield that Never Was: Societies with Single-Peaked Preferences are More Open to Manipulation and Control**, P. Faliszewski, E. Hemaspaandra, L.A. Hemaspaandra, and J. Rothe, *Information and Computation*, Vol. 209, #2, pp. 89–107, 2011.
25. **Multimode Control Attacks on Elections**, P. Faliszewski, E. Hemaspaandra, and L.A. Hemaspaandra, *Journal of AI Research*, Vol. 40, pp. 305–351, 2011.
26. **AI’s War on Manipulation: Are We Winning?**, P. Faliszewski and A. Procaccia, *AI Magazine*, Vol. 31, #4, pp. 53–64, 2010.
27. **Using Complexity to Protect Elections**, P. Faliszewski, E. Hemaspaandra, and L. Hemaspaandra, *Communications of the ACM*, Vol. 53, #11, pp. 74–82, 2010.
28. **On the Autoreducibility of Functions**, P. Faliszewski and M. Ogihara, *Theory of Computing Systems*, Vol. 46, #2, pp. 222–245, 2010.
29. **Llull and Copeland Voting Computationally Resist Bribery and Constructive Control**, P. Faliszewski, E. Hemaspaandra, L. Hemaspaandra, and J. Rothe, *Journal of AI Research*, Vol. 35, pp. 275–341, 2009.



30. **How Hard is Bribery in Elections?**, P. Faliszewski, E. Hemaspaandra, and L. Hemaspaandra, *Journal of AI Research*, Vol. 35, pp. 485–532, 2009.
31. **The Complexity of Power-Index Comparison**, P. Faliszewski and L. Hemaspaandra, *Theoretical Computer Science*, Vol. 410, #1, pp. 101–107, 2009.
32. **The Consequences of Eliminating NP Solutions**, P. Faliszewski and L. Hemaspaandra, *Computer Science Review*, Vol. 2, #1, pp. 40–54, 2008.
33. **Properties of Uniformly Hard Languages**, P. Faliszewski and J. Jarosz, *Information Processing Letters*, Vol. 95, #1, pp. 329–332, 2005.
34. **Advice for Semifeasible Sets and the Complexity-Theoretic Cost(lessness) of Algebraic Properties**, P. Faliszewski and L. Hemaspaandra, *International Journal of Foundations of Computer Science*, Vol. 16, #5, pp. 913–928, 2005.

### ADDITIONAL JOURNAL PUBLICATIONS

35. **Open Questions in the Theory of Semifeasible Computation**, P. Faliszewski and L. Hemaspaandra, *SIGACT News* 37(1), pp. 47–65, March 2006.

### BOOK CHAPTERS

36. **Multiwinner Voting: A New Challenge for Social Choice Theory**, P. Faliszewski, P. Skowron, A. Slinko, N. Talmon, in *Trends in Computational Social Choice*, ed. Ulle Endriss, AI Access Foundation, 2017.
37. **Control and Bribery in Voting**, P. Faliszewski, J. Rothe, in *Handbook of Computational Social Choice*, eds. F. Brandt, V. Conitzer, U. Endriss, J. Lang, A. Procaccia, Cambridge University Press, 2016.
38. **Noncooperative Game Theory**, P. Faliszewski, I. Rothe, J. Rothe, in *Economics and Computation: An Introduction to Algorithmic Game Theory, Computational Social Choice, and Fair Division*, ed. J. Rothe, Springer, 2016.
39. **A Richer Understanding of the Complexity of Election Systems**, P. Faliszewski, E. Hemaspaandra, L. Hemaspaandra, and J. Rothe, in *Fundamental Problems in Computing: Essays in Honor of Professor Daniel J. Rosenkrantz*, eds. S. Ravi and S. Shukla, pp. 375–406, Springer, 2009.

## CONFERENCE PAPERS

40. **How to Choose a Committee Based on Agents' Preferences**, P. Faliszewski, In Proceedings of the 4th International Conference on Behavioral, Economic, and Socio-Cultural Computing (BESC-17), (*invited talk*), to appear.
41. **Robustness Among Multiwinner Voting Rules**, R. Bredereck, P. Faliszewski, A. Kaczmarczyk, R. Niedermeier, P. Skowron, N. Talmon. In Proceedings of the 10th International Symposium on Algorithmic Game Theory (SAGT-17), pp. 80–92, September 2017.
42. **Committee Scoring Rules: A Call to Arms**, P. Faliszewski, In Proceedings of the 26th International Joint Conference on Artificial Intelligence (IJCAI-17), *Early Career Spotlights*, pp. 5121–5125, August 2017.
43. **Recognizing Top-Monotonic Preference Profiles in Polynomial Time**, K. Magiera, P. Faliszewski. In Proceedings of the 26th International Joint Conference on Artificial Intelligence (IJCAI-17), pp. 324–330, August 2017.
44. **Multiwinner Rules on Paths From k-Borda to Chamberlin–Courant**, P. Faliszewski, P. Skowron, A. Slinko, N. Talmon. In Proceedings of the 26th International Joint Conference on Artificial Intelligence (IJCAI-17), pp. 192–198, August 2017.
45. **The Condorcet Principle for Multiwinner Elections: From Shortlisting to Proportionality**, P. Faliszewski, H. Aziz, E. Elkind, P. Faliszewski, M. Lackner, P. Skowron. In Proceedings of the 26th International Joint Conference on Artificial Intelligence (IJCAI-17), pp. 84–90, August 2017.
46. **Bribery as a Measure of Candidate Success: Complexity Results for Approval-Based Multiwinner Rules**, P. Faliszewski, P. Skowron, N. Talmon. In Proceedings of the 16th International Conference on Autonomous Agents and Multiagent Systems (AAMAS-17), pp. 6–14, May 2017.
47. **What Do Multiwinner Voting Rules Do? An Experiment Over the Two-Dimensional Euclidean Domain**, E. Elkind, P. Faliszewski, J-F. Laslier, P. Skowron, A. Slinko, N. Talmon, In Proceedings of the 31st AAAI Conference on Artificial Intelligence (AAAI-17), pp. 494–501, February 2017.
48. **Two-Phase Strategy Managing Insensitivity in Global Optimization**, J. Sawicki, M. Smolka, M. Los, R. Schaefer, P. Faliszewski. In Proceedings of the 20th European Conference on Applications of Evolutionary Computation (EvoA-17), pp. 266–281, April 2017.
49. **Committee Scoring Rules: Axiomatic Classification and Hierarchy**, P. Faliszewski, P. Skowron, A. Slinko, N. Talmon. In Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI-16), pp. 250–256, July 2016.
50. **How Hard Is It for a Party to Nominate an Election Winner?**, P. Faliszewski, L. Gourves, J. Lang, J. Lesca, J. Monnot. In Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI-16), pp. 257–263, July 2016.
51. **Voting-Based Group Formation**, P. Faliszewski, A. Slinko, N. Talmon. In Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI-16), pp. 243–249, July 2016.

52. **Achieving Fully Proportional Representation by Clustering Voters**, P. Faliszewski, A. Slinko, K. Stahl, N. Talmon. In Proceedings of the 15th International Conference on Autonomous Agents and Multiagent Systems (AAMAS-16), pp. 296–304, May 2016.
53. **Algorithms for Destructive Shift Bribery**, A. Kaczmarczyk, P. Faliszewski. In Proceedings of the 15th International Conference on Autonomous Agents and Multiagent Systems (AAMAS-16), pp. 305–313, May 2016.
54. **Multiwinner Voting in Genetic Algorithms for Solving Ill-Posed Global Optimization Problems**, P. Faliszewski, J. Sawicki, R. Schaefer, M. Smolka. In Proceedings of the 19th European Conference on Applications of Evolutionary Computation (EvoA-16), pp. 409–424, March–April 2016.
55. **Multiwinner Analogues of the Plurality Rule: Axiomatic and Algorithmic Views**, P. Faliszewski, P. Skowron, A. Slinko, N. Talmon. In Proceedings of the 30th AAAI Conference on Artificial Intelligence (AAAI-16), pp. 482–488, February 2016.
56. **Complexity of Shift Bribery in Committee Elections**, R. Bredereck, P. Faliszewski, R. Niedermeier, N. Talmon. In Proceedings of the 30th AAAI Conference on Artificial Intelligence (AAAI-16), pp. 2452–2458, February 2016.
57. **Elections with Few Candidates: Prices, Weights, and Covering Problems**, R. Bredereck, P. Faliszewski, R. Niedermeier, P. Skowron, N. Talmon. In Proceedings of the 4th International Conference on Algorithmic Decision Theory (ADT-15), pp. 414–431, September 2015.
58. **Large-Scale Election Campaigns: Combinatorial Shift Bribery**, R. Bredereck, P. Faliszewski, R. Niedermeier, N. Talmon. In Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems (AAMAS-15), pp. 67–75, May 2015.
59. **Fully Proportional Representation with Approval Ballots: Approximating the MaxCover Problem with Bounded Frequencies**, P. Skowron, P. Faliszewski. In Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI-15), pp. 2124–2130, January 2015.
60. **Finding a Collective Set of Items: From Proportional Multirepresentation to Group Recommendation**, P. Skowron, P. Faliszewski, J. Lang. In Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI-15), pp. 2131–2138, January 2015.
61. **Elections with Few Voters: Candidate Control Can Be Easy**, J. Chen, P. Faliszewski, R. Niedermeier, N. Talmon. In Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI-15), pp. 2045–2051, January 2015.
62. **The Complexity of Recognizing Incomplete Single-Crossing Elections**, E. Elkind, P. Faliszewski, M. Lackner, S. Obraztsova. In Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI-15), pp. 865–871, January 2015.
63. **Recognizing 1-Euclidean Preferences: An Alternative Approach**, E. Elkind, P. Faliszewski. In Proceedings of the Seventh International Symposium on Algorithmic Game Theory (SAGT-14), pp. 146–157, September 2014.

64. **Combinatorial Voter Control in Elections**, J. Chen, P. Faliszewski, R. Niedermeier, N. Talmon. In Proceedings of the Thirty-Ninth International Symposium on Mathematical Foundations of Computer Science (MFCS-14), pp. 153–164, August 2014.
65. **How Hard is Control in Single-Crossing Elections?**, K. Magiera, P. Faliszewski. In Proceedings of the Twenty-First European Conference on Artificial Intelligence (ECAI-14), pp. 579–584, August 2014.
66. **Prices Matter for the Parameterized Complexity of Shift Bribery**, R. Bredereck, J. Chen, P. Faliszewski, A. Nichterlein, R. Niedermeier. In Proceedings of the Twenty-Eight AAAI Conference on Artificial Intelligence (AAAI-14), pp. 1398–1404, July 2014.
67. **A Characterization of the Single-Peaked Single-Crossing Domain**, E. Elkind, P. Faliszewski, P. Skowron. In Proceedings of the Twenty-Eight AAAI Conference on Artificial Intelligence (AAAI-14), pp. 654–660, July 2014.
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