

Curriculum Vitae  
**PIOTR FALISZEWSKI**  
May 15th, 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.
- Krzysztof Magiera, AGH University of Science and Technology.

## 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.**
- **Senior Program Committee member:** 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:** 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).
- **Invited talks/tutorials:** COST IC1205 Workshop in Sibiu, Romania (2014), Warsaw Workshop on Economic and Computational Aspects of Game Theory and Social Choice (ECAGS-2014), Logic, Games, and Social Choice (LGS-2011), Parallel Problem Solving from Nature (PPSN-2010).
- **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 Intelligen-*

*ce 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, AAI-08, ICALP 08, AAMAS-08, AAI-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 the 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. **How Hard is Control in Single-Crossing Elections?**, K. Magiera, P. Faliszewski, *Autonomous Agents and Multiagent Systems*, Vol. 31(3), pp. 606–627, 2017.
2. **Multiwinner Voting in Genetic Algorithms**, P. Faliszewski, J. Sawicki, R. Schaefer, M. Smolka, *IEEE Intelligent Systems*, Vol. 32(1), pp. 40–48, 2017.
3. **Properties of Multiwinner Voting Rules**, E. Elkind, P. Faliszewski, P. Skowron, A. Slinko, *Social Choice and Welfare*, Vol. 48(3), pp. 599–632, 2017.
4. **Campaign Management under Approval-Driven Voting Rules**, I. Schlotter, E. Elkind, P. Faliszewski, *Algorithmica*, Vol. 77(1), pp. 84–115, 2017.
5. **Prices Matter for the Parameterized Complexity of Shift Bribery**, R. Brederreck, J. Chen, P. Faliszewski, A. Nichterlein, R. Niedermeier, *Information and Computation*, Vol. 251, pp. 140–164, 2016.
6. **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.
7. **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.
8. **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.
9. **Large-Scale Election Campaigns: Combinatorial Shift Bribery**, R. Brederreck, P. Faliszewski, R. Niedermeier, N. Talmon, *Journal of Artificial Intelligence Research*, Vol. 55, pp. 603–652, 2016.
10. **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.
11. **Distance Rationalization of Voting Rules**, E. Elkind, P. Faliszewski, A. Slinko, *Social Choice and Welfare*, Vol. 45(2), pp. 345–377, 2015.
12. **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.
13. **Combinatorial Voter Control in Elections**, L. Bulteau, J. Chen, P. Faliszewski, R. Niedermeier, N. Talmon, *Theoretical Computer Science*, Vol. 589, pp. 99–120, 2015.
14. **Weighted Electoral Control**, P. Faliszewski, E. Hemaspaandra, L. Hemaspaandra, *Journal of Artificial Intelligence Research*, Vol. 52, pp. 507–542, 2015.

15. **Achieving Fully Proportional Representation: Approximability Results**, P. Skowron, P. Faliszewski, A. Slinko, *Artificial Intelligence*, Vol. 222, pp. 67–103, 2015.
16. **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.
17. **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.
18. **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.
19. **Manipulating the Quota in Weighted Voting Games**, M. Zuckerman, P. Faliszewski, Y. Bachrach, E. Elkind, *Artificial Intelligence*, Vol. 180–181, pp. 1–19, 2012.
20. **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.
21. **Cloning in Elections: Finding the Possible Winners**, E. Elkind, P. Faliszewski, A. Slinko, *Journal of AI Research*, Vol. 42, pp. 529–573, 2011.
22. **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.
23. **Multimode Control Attacks on Elections**, P. Faliszewski, E. Hemaspaandra, and L.A. Hemaspaandra, *Journal of AI Research*, Vol. 40, pp. 305–351, 2011.
24. **AI’s War on Manipulation: Are We Winning?**, P. Faliszewski and A. Procaccia, *AI Magazine*, Vol. 31, #4, pp. 53–64, 2010.
25. **Using Complexity to Protect Elections**, P. Faliszewski, E. Hemaspaandra, and L. Hemaspaandra, *Communications of the ACM*, Vol. 53, #11, pp. 74–82, 2010.
26. **On the Autoreducibility of Functions**, P. Faliszewski and M. Ogihara, *Theory of Computing Systems*, Vol. 46, #2, pp. 222–245, 2010.
27. **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.
28. **How Hard is Bribery in Elections?**, P. Faliszewski, E. Hemaspaandra, and L. Hemaspaandra, *Journal of AI Research*, Vol. 35, pp. 485–532, 2009.
29. **The Complexity of Power-Index Comparison**, P. Faliszewski and L. Hemaspaandra, *Theoretical Computer Science*, Vol. 410, #1, pp. 101–107, 2009.
30. **The Consequences of Eliminating NP Solutions**, P. Faliszewski and L. Hemaspaandra, *Computer Science Review*, Vol. 2, #1, pp. 40–54, 2008.



31. **Properties of Uniformly Hard Languages**, P. Faliszewski and J. Jarosz, *Information Processing Letters*, Vol. 95, #1, pp. 329–332, 2005.
32. **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

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

### BOOK CHAPTERS

34. **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.
35. **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.
36. **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

37. **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.
38. **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.
39. **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.
40. **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.

41. **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.
42. **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.
43. **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.
44. **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.
45. **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.
46. **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.
47. **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.
48. **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.
49. **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.
50. **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.
51. **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.
52. **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.

53. **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.
54. **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.
55. **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.
56. **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.
57. **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.
58. **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.
59. **Properties of Multiwinner Voting Rules**, E. Elkind, P. Faliszewski, P. Skowron, A. Slinko, In Proceedings of the Thirteenth International Conference on Autonomous agents and Multiagent Systems (AAMAS-14), pp. 53–60, May 2014.
60. **Complexity of Manipulation, Bribery, and Campaign Management in Bucklin and Fallback Voting**, P. Faliszewski, Y. Reisch, J. Rothe, L. Schend, In Proceedings of the Thirteenth International Conference on Autonomous agents and Multiagent Systems (AAMAS-14), pp. 1357–1358, May 2014.
61. **The Complexity of Fully Proportional Representation for Single-Crossing Electorates**, P. Skowron, L. Yu, P. Faliszewski, and E. Elkind, In Proceedings of the Sixth International Symposium on Algorithmic Game Theory (SAGT-13), pp. 1–12, October 2013.
62. **Fully Proportional Representation as Resource Allocation: Approximability Results**, P. Skowron, P. Faliszewski, and A. Slinko, In Proceedings of the Twenty-Third International Joint Conference on Artificial Intelligence (IJCAI-13), pp. 353–359, August 2013.
63. **Achieving Proportional Representation is Easy in Practice**, P. Skowron, P. Faliszewski, A. Slinko, In Proceedings of the Twelfth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-13), pp. 399–406, May 2013.
64. **The Complexity of Losing Voters**, T. Perek, P. Faliszewski, M. Pini, F. Rossi, In Proceedings of the Twelfth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-13), pp. 407–414, May 2013.
65. **Weighted Electoral Control**, P. Faliszewski, E. Hemaspaandra, L. Hemaspaandra, In Proceedings of the Twelfth International Conference on Autonomous Agents and Multiagent Systems (AAMAS-13), pp. 367–374, May 2013. (**best paper award nominee**)

66. **On Swap Distance Geometry of Voting Rules**, S. Obraztsova, E. Elkind, P. Faliszewski, A. Slinko, In Proceedings of the Twelfth International Conference on Autonomous Agents and Multiagent Systems, pp. 383–390, May 2013.
67. **Weighted Manipulation for Four-Candidate Lull is Easy**, P. Faliszewski, E. Hemaspaandra, and H. Schnoor, In Proceedings of the Twentieth European Conference on Artificial Intelligence (ECAI-12), pp. 318–323, August 2012.
68. **Possible Winners in Noisy Elections**, K. Wojtas and P. Faliszewski, In Proceedings of the Twenty-Sixth AAAI Conference on Artificial Intelligence (AAAI-12), pp. 1499–1505, July 2012.
69. **Clone Structures in Voters’ Preferences**, E. Elkind, P. Faliszewski, and A. Slinko, In Proceedings of the Thirteenth ACM Conference on Electronic Commerce (EC-12), pp. 496–513, June 2012.
70. **Campaigns for Lazy Voters: Truncated Ballots**, D. Baumeister, P. Faliszewski, J. Lang, J. Rothe, In Proceedings of the Eleventh International Conference on Autonomous agents and Multiagent Systems (AAMAS-12), pp. 577–584, June 2012.
71. **An NTU Cooperative Game Theoretic View of Manipulating Elections**, M. Zuckerman, P. Faliszewski, V. Conitzer, J. Rosenschein, In Proceedings of the Seventh Workshop on Internet and Network Economics (WINE-11), pp. 363–374, December 2011.
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