

GRZEGORZ GUŚPIEL

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EMPLOYMENT

04/21 – now Google Zürich, software engineer

EDUCATION

- 10/15 – 07/20 PhD, Computer Science, Jagiellonian University, advisor: Paweł Idziak,
co-advisor: Grzegorz Gutowski, [thesis](#) defended in July 2020
- 10/13 – 07/15 MSc, Computer Science, Jagiellonian University
- 10/10 – 06/13 BSc, Computer Science, Jagiellonian University

PUBLICATIONS

(a list with links to slides and preprints is available [here](#))

1. Grzegorz Guśpiel, Smaller universal targets for homomorphisms of edge-colored graphs, *Journal of Combinatorial Optimization* (**JOCO**), 2021, [DOI:10.1007/s10878-020-00680-3](https://doi.org/10.1007/s10878-020-00680-3)
 - 1a. Grzegorz Guśpiel, Smaller universal targets for homomorphisms of edge-colored graphs, *25th International Conference on Computing and Combinatorics* (**COCOON**), 2019, [DOI:10.1007/978-3-030-26176-4](https://doi.org/10.1007/978-3-030-26176-4)
2. Akanksha Agrawal, Grzegorz Guśpiel, Jayakrishnan Madathil, Saket Saurabh, Meirav Zehavi, Connecting the dots (with minimum crossings), *35th International Symposium on Computational Geometry* (**SoCG**), 2019, [DOI:10.4230/LIPIcs.SoCG.2019.7](https://doi.org/10.4230/LIPIcs.SoCG.2019.7)
3. Grzegorz Guśpiel, Piotr Micek, Adam Polak, On an extremal problem for poset dimension, *Order: A Journal on the Theory of Ordered Sets and its Applications* (**ORDE**), 2018, [DOI:10.1007/s11083-017-9444-1](https://doi.org/10.1007/s11083-017-9444-1)
4. Steven Chaplick, Grzegorz Guśpiel, Grzegorz Gutowski, Tomasz Krawczyk, Giuseppe Liotta, The Partial Visibility Representation Extension Problem, *Algorithmica* (**ALGO**), 2018, [DOI:10.1007/s00453-017-0322-4](https://doi.org/10.1007/s00453-017-0322-4)
 - 4a. Steven Chaplick, Grzegorz Guśpiel, Grzegorz Gutowski, Tomasz Krawczyk, Giuseppe Liotta, The Partial Visibility Representation Extension Problem, *24th International Symposium on Graph Drawing* (**GD**), 2016, [DOI:10.1007/978-3-319-50106-2_21](https://doi.org/10.1007/978-3-319-50106-2_21)
5. Grzegorz Guśpiel, Grzegorz Gutowski, Universal targets for homomorphisms of edge-colored graphs, *Journal of Combinatorial Theory, Series B* (**JCT-B**), 2017, [DOI:10.1016/j.jctb.2017.05.009](https://doi.org/10.1016/j.jctb.2017.05.009)

MANUSCRIPTS

6. Grzegorz Guśpiel, An in-place, subquadratic algorithm for permutation inversion, 2019, [arXiv:1901.01926](https://arxiv.org/abs/1901.01926)

RESEARCH GRANTS

- 2014 – 2019 Diamond Grant, Ministry of Science and Higher Education of Poland, *Algorithms for assigning tasks to resources with incomplete information*

TEACHING AND COMMUNITY SERVICE

- 2017 – 2019 *Algorithmics*, 5th High School in Kraków (4 semesters, delegated by Jagiellonian University)
- 2015 – 2019 *Algorithms and Data Structures*, Jagiellonian University (6 semesters)
- 2019 – 2020 biannual week-long algorithmic workshops for high school students
- problemsetter for algorithmic competitions: Polish Collegiate Programming Contest (2019), Central Europe Regional Contest (2013), several Jagiellonian University preliminaries (2015 – 2020)
- (sub-)reviewer for: SODA, ICALP, Discrete Mathematics

PARTICIPATION IN WORKSHOPS

- 2016/12 Homonolo '16 (5-day workshop organized by Charles University, main topics: structural properties, algebraic aspects, algorithmic complexity and other aspects of graphs, graph homomorphisms)
- 2015/09 Cargèse Fall School on Random Graphs (5-day workshop with lectures given by leading experts in the field)
- 2014/12 Homonolo '14

INTERNSHIPS

- 07/16 – 09/16 Jane Street London, software engineering
- 07/13 – 09/13 Google Zürich, software engineering
- 07/12 – 09/12 Facebook Menlo Park, software engineering

COMPETITIONS AND AWARDS

- 2015 15th place in ACM ICPC World Finals
- 2013 bronze medal in ACM ICPC World Finals
- 2012, 2013 scholarships of the Polish Ministry of Science and Higher Education

LANGUAGES

English (fluent), German (basic), French (minimal), Polish (native)