

Anna Rapberger

Curriculum Vitae

TU Wien, Favoritenstraße 9-11, 1040 Vienna, Austria

✉ anna.rapberger@tuwien.ac.at

📄 dbai.tuwien.ac.at/staff/arapberg/
0000-0003-0355-3535 (ORCID)

Research Interests

- Non-monotonic Reasoning, Knowledge Representation, Logics in AI
- Abstract Argumentation, Claim-centric Reasoning, Computational Social Choice
- Algorithms and Computational Complexity

Education

- Since 2018 **PhD Candidate**, *Institute of Logic and Computation, TU Wien*, Vienna, Austria.
▸ Expected graduation in October 2022
▸ Supervised by Stefan Woltran
- 2015–2018 **MSc in Mathematics with distinction**, *University of Vienna*, Vienna, Austria.
- 2010–2013 **BSc in Mathematics**, *University of Vienna*, Vienna, Austria.

Work Experience

- Since 2018 **Project Assistant**, *Institute of Logic and Computation, TU Wien*, Vienna, Austria.
▸ Funded by FWF project W155-N23, *LogiCS in Computer Science*
- Sep–Nov 2021 **Visiting Researcher**, *Centro Singular de Investigación en Tecnoloxías Intelixentes (CiTIUS), Universidade de Santiago de Compostela*, Santiago de Compostela, Spain.
▸ Hosted by José Maria Alonso
- Nov–Dec 2020 **Visiting Researcher**, *Department of Computer Science, Leipzig University*, Leipzig, Germany.
▸ Hosted by Gerhard Brewka and Ringo Baumann
- Spring 2019 **Lecturer**, *University of Vienna*, Vienna, Austria.
▸ Course title: *Programmierpraktikum (Programming in Python)*
- 2014–2018 **Teaching Assistant**, *University of Vienna*, Vienna, Austria.

Awards

- Aug 2020 **Best STAIRS@ECAI 2020 Paper Award** at the *9th European Starting AI Researchers' Symposium (STAIRS'20)*, including a grant for a 3-month internship at the Research Centre on Intelligent Technologies, University of Santiago de Compostela, Spain
- Jun 2021 **Best Student Poster Runner-Up Award** at the *8th International Workshop on Computational Social Choice (COMSOC'21)*

Scientific Activities

- PC member at KR 2022
- Conference reviews JELIA 2021, KR 2021, CLAR 2021, ECSQARU 2021, EUMAS 2021, COMMA 2020
- Journal reviews JAR 2020
- Research Visits *Leipzig University*, Host: Gerhard Brewka and Ringo Baumann, Nov.–Dec. 2020
CiTIUS, University Santiago de Compostela, Host: José Maria Alonso, Sept.–Nov. 2021

Other Activities

Co-founder and committee member of the NGO *Autobefreit in Wien* (more at autobefreit.at)

Publications

Journal articles

- [1] Wolfgang Dvořák, Anna Rapberger, and Stefan Woltran. On the different types of collective attacks in abstract argumentation: equivalence results for SETAFs. *Journal of Logic and Computation*, 30(5):1063–1107, 06 2020.

Conference proceedings

- [2] Wolfgang Dvorák, Alexander Greßler, Anna Rapberger, and Stefan Woltran. The complexity landscape of claim-augmented argumentation frameworks. In *35th AAAI Conference on Artificial Intelligence (AAAI'21), Proceedings*, pages 6296–6303. AAAI Press, 2021.
- [3] Thekla Hamm, Martin Lackner, and Anna Rapberger. Computing kemeny rankings from d-euclidean preferences. In *7th International Conference on Algorithmic Decision Theory (ADT'21), Proceedings*, volume 13023, pages 147–161. LNCS, 2021.
- [4] Wolfgang Dvorák, Sarah Alice Gaggl, Anna Rapberger, Johannes Peter Wallner, and Stefan Woltran. The ASPARTIX system suite. In *Computational Models of Argument (COMMA'20), Proceedings*, volume 326 of *Frontiers in Artificial Intelligence and Applications*, pages 461–462. IOS Press, 2020.
- [5] Wolfgang Dvorák, Anna Rapberger, Johannes Peter Wallner, and Stefan Woltran. ASPARTIX-V19 - an answer-set programming based system for abstract argumentation. In *Foundations of Information and Knowledge Systems - 11th International Symposium (FoIKS'20), Proceedings*, volume 12012 of *LNCS*, pages 79–89. Springer, 2020.
- [6] Wolfgang Dvorák, Anna Rapberger, and Stefan Woltran. Argumentation semantics under a claim-centric view: Properties, expressiveness and relation to setafs. In *17th International Conference on Principles of Knowledge Representation and Reasoning (KR'20), Proceedings*, pages 341–350, 2020.
- [7] Wolfgang Dvorák, Anna Rapberger, and Stefan Woltran. On the relation between claim-augmented argumentation frameworks and collective attacks. In *24th European Conference on Artificial Intelligence (ECAI'20), Proceedings*, volume 325 of *FAIA*, pages 721–728. IOS Press, 2020.
- [8] Wolfgang Dvorák, Anna Rapberger, and Stefan Woltran. Strong equivalence for argumentation frameworks with collective attacks. In *42nd German Conference on AI (KI'19), Proceedings*, volume 11793 of *LNCS*, pages 131–145. Springer, 2019.

Workshop and Poster presentations

- [9] Ringo Baumann, Anna Rapberger, and Markus Ulbricht. Equivalence in argumentation frameworks with a claim-centric view – classical results with novel ingredients. In *19th International Workshop on Non-Monotonic Reasoning (NMR21), Proceedings*. CoRR, 2021.
- [10] Wolfgang Dvorák, Matthias König, Anna Rapberger, Johannes Peter Wallner, and Stefan Woltran. ASPARTIX-V - a solver for argumentation tasks using ASP. In *Workshop on Answer Set Programming and Other Computing Paradigms (ASPOCP 2021)*, 2021.
- [11] Thekla Hamm, Martin Lackner, and Anna Rapberger. Computing kemeny rankings from d-euclidean preferences (poster). In *8th international Workshop on Computational Social Choice (COMSOC '21), Poster session*, 2021.
- [12] Wolfgang Dvorák, Anna Rapberger, and Johannes Peter Wallner. Labelling-based algorithms for SETAFs. In *3rd International Workshop on Systems and Algorithms for Formal Argumentation (SAFA '20), Proceedings*, volume 2672 of *CEUR Workshop Proceedings*, pages 34–46. CEUR-WS.org, 2020.
- [13] Anna Rapberger. Defining argumentation semantics under a claim-centric view. In *9th European Starting AI Researchers' Symposium (STAIRS'20), Proceedings*, volume 2655 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2020.