

CURRICULUM VITAE

FIRST NAME Radosław (abbreviated to Radek)
LAST NAME Piórkowski
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RESEARCH INTERESTS

theoretical computer science, automata theory, logic, infinite state systems, register automata, automatic structures; four colour theorem

EDUCATION

University of Warsaw:

2022 Ph.D. in Computer and Information Sciences (with honours)
2017 MSc in Computer Science (with honours)
2015 BSc in Computer Science (with honours)

WORK EXPERIENCE

11.2025 – 8.2026 Research Fellow on the “Two-way automata: limitations and frontiers.”
Project (postdoc) PI: [Prof. Dmitry Chistikov](#)
Department of Computer Science, University of Warwick
11.2024 – 9.2025 Research Associate on the “FUN2MODEL” Project (postdoc)
PI: [Prof. Marta Kwiatkowska](#)
Department of Computer Science, University of Oxford
12.2022 – 10.2024 Research Associate on the “ARiAT” Project (postdoc)
PI: [Prof. Christoph Haase](#)
Department of Computer Science, University of Oxford

DOCTORAL THESIS

2022 Tame the Infinite – Simplification Problems for Infinite-State Systems

CONFERENCE PAPERS

[DBLP.UNI-TRIER.DE/PID/215/5120](https://dblp.uni-trier.de/pid/215/5120)

9. Scoped MSO, Register Automata, and Expressions: Equivalence over Data Words.
single-authored; ICALP 2026
8. One-Clock Synthesis Problems.
with S. Lasota, M. Lehaut, J. Parreaux; STACS 2026
7. Boundedness of Cost Register Automata over the Integer Min-Plus Semiring
with A. Draghici and A. Ryzhikov; CSL 2025
6. Universal Quantification Makes Automatic Structures Hard to Decide
with C. Haase; CONCUR 2023, [invited to CONCUR'23 special issue](#)
5. Determinisability of One-Clock Timed Automata
with L. Clemente and S. Lasota; CONCUR 2020
4. Timed Games and Deterministic Separability
with L. Clemente and S. Lasota; ICALP 2020
3. A new pumping method for 2-VASS
with W. Czerwinski, S. Lasota and C. Löding; MFCS 2019
2. Hilbert method for transducer equivalence
with A. Boiret and J. Schmude; FSTTCS 2018

1. WQO Dichotomy for 3-Graphs
with S. Lasota; FoSSaCS 2018

JOURNAL PAPERS

3. Universal quantification makes automatic structures hard to decide
(extended version)
with C. Haase; Logical Methods in Computer Science, 2026
2. Determinisability of register and timed automata
with L. Clemente, S. Lasota; Logical Methods in Computer Science, 2022
1. WQO Dichotomy for 3-Graphs
with S. Lasota; Information and Computation, 2020

CONFERENCE AND SEMINAR TALKS

My conference and seminar talks are [listed on radekp.com/talks/](https://radekp.com/talks/).

TEACHING EXPERIENCE

I led tutorials at University College, Oxford and at the University of Warsaw, covering both programming and theoretical subjects (radekp.com/#cv).

SERVICE

- 2026 Co-organiser, INFINITY 2026
- 2024 Admissions Interviewer, Trinity College, University of Oxford
- 2023 Local organiser, CSL 2023
- 2022 Local organiser, CONCUR 2022
- 2021 Website design and implementation, WG 2021
- 2019-2021 Webmaster, Highlights of Logic, Games and Automata
- 2019 Local organiser, DLT 2019
- 2017 Local organiser, ICALP 2017 (Warsaw)

ACHIEVEMENTS

- JULY 2020 Best Video Award at the ICALP 2020 conference
- 2017 – 2022 4 x Scholarship for the best PhD students
- 2017 3rd place in Polish nationwide competition
for the best master's theses in computer science

REFEREES

1. Dr. Dmitry Chistikov (d.chistikov@warwick.ac.uk)
2. Dr. Christoph Haase (christoph.haase@cs.ox.ac.uk)

LANGUAGES

- POLISH mother tongue
- ENGLISH fluent

HOBBIES AND INTERESTS

piano playing, reading fiction and fantasy novels, hiking,
four colour theorem, graphic design, drawing