CURRICULUM VITAE

FIRST NAME	Radosław (abbreviated to Radek)
LAST NAME	Piórkowski
AFFILIATION	University of Warwick
PHONE NUMBER	UK: (+44) 7356 048768 POL: (+48) 516 066 059
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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

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. Czerwiński, 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

To date, I gave about 20 conference and seminar talks.
A selection is listed on my webpage: https://radekp.com#talks

TEACHING EXPERIENCE – TUTORIALS

I have taught tutorials at University College, Oxford and at the University of Warsaw, covering both programming and theoretical subjects.

COMMITTEE SERVICE

Admissions Interviewer in the CS undergraduate student admission panel
Trinity College, University of Oxford, 2024

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 Hasse (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