

Wojciech Czerwiński

Curriculum Vitæ

Personal information

Date and place of birth, *October 15-th, 1983, Warsaw, Poland.*

Phone number, *+48 22 5544564.*

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Website, *www.mimuw.edu.pl/~wczerwin.*

Research interests, *automata theory, infinite state systems.*

Education

Sep 2020 **Habilitation**, *Separability and reachability problems in infinite-state systems*, University of Warsaw.

Mar 2013 **PhD in computer science**, *Partially-commutative context-free graphs*, University of Warsaw, Advisor: prof. Sławomir Lasota.

Sep 2008 **MSc in mathematics**, *Khinchine inequalities*, University of Warsaw, Advisor: prof. Rafał Łatała.

Sep 2007 **MSc in computer science**, *Symullation between games*, University of Warsaw, Advisor: prof. Damian Niwiński.

Academic career

since Oct 2022 **Associate professor (pol. profesor uczelni)**, *University of Warsaw.*

2013 – 2022 **Assistant professor (pol. adiunkt)**, *University of Warsaw.*

2012 – 2013 **Postdoc**, *Bayreuth University.*

Leadership and participation in grants

since Mar 2021 **Principal investigator**, *ERC Starting grant „INFSYS”, Challenging Problems in Infinite-State Systems.*

2017 - 2020 **Principal investigator**, *Grant NCN Sonata, Separability problems in automata theory.*

2018 - 2019 **Investigator**, *ERC Starting grant „CUTACOMBS”, Cuts and decompositions: algorithms and combinatorial properties.*

- 2019 - 2021 **Investigator**, *ERC Consolidator grant „LIPA”*, A unified theory of finite-state recognisability.
- 2014 - 2016 **Investigator**, *NCN grant Opus*, Frontiers of automatic verification: new methods of analysis of infinite state systems.

Awards

- 2022 **Best Paper Award on CONCUR conference**, for the paper *„Language Inclusion for Boundedly-Ambiguous Vector Addition Systems is Decidable”*, co-author: Piotr Hofman.
- 2019 **Best Paper Award on STOC conference**, for the paper *„The Reachability Problem for Petri Nets is Not Elementary”*, co-authors: Sławomir Lasota, Ranko Lazic, Jérôme Leroux and Filip Mazowiecki.
- 2018 **MNiSW Scholarship for outstanding young scientists**.
- 2017 **ACM SIGMOD Research Highlight Award 2016**, for the paper *„Optimizing Tree Patterns for Querying Graph- and Tree-Structured Data”*, co-authors: Wim Martens, Matthias Niewerth and Paweł Parys.

Organisation and community service

- 2022 **Young Researchers CONCUR Conference**, *Co-organizer with Sophia Knight*.
- 2021 – 2022 **Friday Afternoon Seminar - online seminar**, *Co-organizer with Filip Mazowiecki*.
- 2020 **„Infinity” Workshop collocated with ICALP conference**, *Co-organizer with Filip Mazowiecki*.
- 2018 **„Separability Problems” collocated with ICALP conference**, *Co-organizer with Charles Paperman*.
- 2013 – 2017 **Research Workshops „Autobóz”**, *Co-organizer with Piotr Hofman*, <https://autoboz.org/>.
- Program Committee Member**, *ICALP 2023, PODS 2022, GandALF 2021, Highlights 2021, MFCS 2020, STACS 2020, EXPRESS/SOS 2014*.

Master and PhD students

Advisor of four master thesis's.

Auxiliary PhD advisor of Radosław Piórkowski, *PhD defence soon*.

Cooperation with master student Łukasz Orlikowski, *in the „Szkoła Orłów” project*.

Popularisation of science

- 2013 – 2022 **Popular-science magazine „Delta”**, *Editor in the computer science department.*
- 2019, 2020 **Science festival (pol. Festiwal Nauki) on "MIM UW"**, *Co-organiser.*
- since 2011 **Popular-science magazine „Delta”**, *Author of 23 popular-science articles.*