

# CV

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Filip Murlak

## Contact data

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## Personal data

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**date of birth** 14th March 1980

**citizenship** Polish

## Employment

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**since Oct 2008** assistant professor, University of Warsaw (sabbatical till Sept 2009)

**Mar 2008 – Sep 2009** research fellow, University of Edinburgh

## Education

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**2008** PhD in computer science (with honours), University of Warsaw

**2005** MSc in mathematics (with honours), University of Warsaw

**2004** MSc in computer science (with honours), University of Warsaw

## Honours

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**2009** Witold Lipski Prize for Young Researchers in Computer Science

**2009** nomination for the International Stefan Banach Prize for a Doctoral Dissertation in the Mathematical Sciences

**2006** Best ICALP Paper (Track B)

**2004** 1st prize for the best MSc thesis in logic and its applications (awarded by Polish Association for Logic and Philosophy of Science)

## Visits

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**Nov/Dec 2007** Université Paris VII, France (Polonium Project)

**Oct 2006** Université de Lausanne, Switzerland (AutoMathA Project)

**Apr 2006** Universität des Saarlandes, Saarbrücken, Germany

**Sep 2004 – Feb 2005** Universitat de Valencia, Spain (Erasmus Programme)

## Research

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- automata theory, logic
- semistructured databases
- descriptive set theory, game theory

## Publications

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- Relational and XML Data Exchange, joint work with Marcelo Arenas, Pablo Barceló, and Leonid Libkin, Morgan & Claypool Publishers 2010, 112 pages.
- Certain Answers for XML Queries, joint work with Claire David and Leonid Libkin, Proc. PODS 2010:191–202.
- On the Tradeoff between Mapping and Querying Power in XML Data Exchange, joint work with Shunichi Amano, Claire David and Leonid Libkin, Proc. ICDT 2010.
- The Wadge Hierarchy of Max-Regular Languages, joint work with Jeremie Cabessa, Jacques Duparc, Alessandro Facchini, FSTTCS 2009: 121-132.
- Linear Game Automata: Decidable Hierarchy Problems for Stripped-Down Alternating Tree Automata, joint work with Jacques Duparc and Alessandro Facchini, CSL 2009: 225-239.
- XML Schema Mappings, joint work with Shun'ichi Amano and Leonid Libkin, Proc. PODS 2009, pp. 33-42.
- The Wadge hierarchy of deterministic tree languages. Logical Methods in Computer Science Vol. 4 (4:15) 2008, pp. 1–44.
- Weak index vs. Borel rank, Proc. STACS 2008 (Bordeaux), pp. 573–584.
- On the topological complexity of tree languages (co-authored with Andre Arnold, Jacques Duparc, and Damian Niwiński). In: Erich Graedel, Joerg Flum, Thomas Wilke (eds.), Logic and Automata: History and Perspectives, Texts in Logic and Games 2, Amsterdam University Press 2007, pp. 9–29.
- On the topological complexity of weakly recognizable tree languages (co-authored with Jacques Duparc). Proc. FCT 2007, LNCS 4639, Springer-Verlag 2007, pp. 261–273.
- The Wadge hierarchy of deterministic tree languages (extended abstract). Proc. ICALP 2006, Part II, LNCS 4052, Springer-Verlag 2006, pp. 408–419.
- On deciding topological classes of deterministic tree languages. Proc. CSL 2005, LNCS 3634, Springer-Verlag 2005, pp. 428–441.

## Activities

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<b>PCs</b>	ICALP 2010, PODS 2011, MFCS 2011 (co-chair)
<b>refereeing</b>	LICS, PODS, ICALP, STACS, VLDB, FoSSaCS, CSL, FSTTCS, SOFSEM, Theor. Inform. and Appl., Theory of Computing Systems, Fund. Informaticae

## Others

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<b>languages</b>	Polish (mother tongue), English (fluent, CAE in 1996), Spanish (fluent), German (basic)
<b>hobbies</b>	English and Latinoamerican prose, 20th century Polish poetry, European painting
<b>sports</b>	mountain trekking, offroad cycling, badminton