

Adeline Pierrot

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From September 2013, I am a post-doc in the team Combinatorics and Algorithms at the Institute of Discrete Mathematics and Geometry of the Vienna University of Technology (TU Wien).

Education

- 2009-2013** PhD at Paris Diderot University, LIAFA laboratory –
Title: Algorithmic and combinatorial results on permutation classes
Advisor: Dominique Rossin
Defense: June 26, 2013
External reviewers: Michael Albert and Mireille Bousquet-Mélou
Jury: Michael Albert Frédéric Magniez
 Frédérique Bassino Cyril Nicaud
 Mireille Bousquet-Mélou Dominique Rossin
 Robert Cori
- 2008-2009** Master student in theoretical computer science within MPRI (Master Parisien de Recherche en Informatique) – *Mention très bien* (equivalent to Master with first class Honors), *rank 3 out of 45*
Master internship at LIAFA (Mar. to Aug.); Supervisor: Dominique Rossin;
Topic: Algorithms and permutation classes
- 2007-2008** Agrégation de mathématiques (selective examination for teaching high level mathematics) – *rank 43 out of 252*
- 2006-2007** Bachelor’s Degree in Mathematics at Paris-Sud University –
- 2006-2010** Student at the Mathematic Department and the Computer Science Department of the École Normale Supérieure de Paris –
- 2003-2006** Preschool in mathematics – *Selected after competitive examination to enter the Computer Science Department of the École Normale Supérieure de Paris*

Publications

• Journals

- PuMA 2010** Frédérique Bassino, Mathilde Bouvel, Adeline Pierrot, Dominique Rossin:
Deciding the finiteness of the number of simple permutations contained in a wreath-closed class is polynomial. – Pure Mathematics and Applications, vol. 21, no. 2

• International Conferences with proceedings

- STACS 2014** Adeline Pierrot and Dominique Rossin: *2-Stack Sorting is polynomial* – STACS 2014 (31st International Symposium on Theoretical Aspects of Computer Science, Lyon)
- ISAAC 2013** Djamel Belazzougui, Adeline Pierrot, Mathieu Raffinot and Stéphane Vialette: *Single and multiple consecutive permutation motif search* – ISAAC 2013 (24th International Symposium on Algorithms and Computation, Hong Kong)

- FPSAC 2012** Frédérique Bassino, Mathilde Bouvel, Adeline Pierrot, Carine Pivoteau, Dominique Rossin: *Combinatorial specification of permutation classes* – FPSAC 2012 (24th International Conference on Formal Power Series and Algebraic Combinatorics) DMTCS proceedings, vol. AR, 2012
- FPSAC 2011** Adeline Pierrot, Dominique Rossin, Julian West: *Adjacent transformations in permutations* – FPSAC 2011 (23th International Conference on Formal Power Series and Algebraic Combinatorics) DMTCS proceedings, vol. AO, 2011
- **International Conferences without proceedings**
- PP 2012** Adeline Pierrot, Dominique Rossin, Julian West: *Asymptotics of push-all permutations* – 10th edition of the conference Permutation Patterns
- PP 2012** Adeline Pierrot, Dominique Rossin: *Two-stacks sorting is polynomial* – 10th edition of the conference Permutation Patterns
- PP 2011** Guillaume Chapuy, Adeline Pierrot, Dominique Rossin: *On growth rate of wreath-closed permutation classes* – 9th edition of the conference Permutation Patterns
- PP 2011** Adeline Pierrot, Dominique Rossin: *On two-stack sorting* – 9th edition of the conference Permutation Patterns
- PP 2010** Frédérique Bassino, Mathilde Bouvel, Adeline Pierrot, Dominique Rossin: *A polynomial algorithm for deciding the finiteness of the number of simple permutations in permutation classes* – 8th edition of the conference Permutation Patterns
- PP 2010** Adeline Pierrot, Dominique Rossin: *The simple permutation poset* – 8th edition of the conference Permutation Patterns
- PP 2009** Frédérique Bassino, Mathilde Bouvel, Adeline Pierrot, Dominique Rossin: *Deciding the finiteness of simple permutations contained in a wreath-closed class is polynomial* – 7th edition of the conference Permutation Patterns

Language

French (native), English (fluent), German (good)

Miscellaneous

French citizenship
Born 7th of August 1985 in Metz, France