

# Curriculum Vitae

01/12/2014

## Personal Data

**Name:** András Pongrácz

**Place and Date of birth:** Pásztó, 18th February 1986.

**Nationality:** Hungarian

**E-mail:** andras.pongracz@lix.polytechnique.fr

## Affiliation

Laboratoire d'Informatique de l'École Polytechnique

## Studies

**2009-2012:** Central European University, Budapest, PhD in Mathematics

**2004-2009:** Eötvös Loránd University, Budapest, MS in Mathematics

## Dissertations

1. **PhD Thesis:** Reducts of homogeneous relational structures, supervisor: Csaba Szabó
2. **MS Thesis:** Affine complete G-sets, supervisor: József Pelikán

## Language Proficiency

**English:** excellent

**French:** basic

**Hungarian:** native

## Fields of interest

In classical model theory, homogeneous structures and their reducts, automorphism groups and polymorphism clones of omega-categorical structures. In theoretical computer science, complexity of CSP-s with infinite templates. Flows of automorphism groups of countable structures.

## Conference talks

1. The 42 reducts of the random ordered graph, Workshop on homogeneous structures, Bonn (2013. October)
2. A new operation on finite partially ordered sets inherited from the random poset, Conference on Universal Algebra and Lattice Theory, Szeged (2012. June)

3. Structures definable from the generic partial order, Arbeitstagung Allgemeine Algebra - 84th Workshop on General Algebra, Dresden (2012. June)
4. Reducts and Ramsey structures, LMS Northern Regional Meeting and Workshop on Homogeneous Structures, Leeds (2011. July) (45 minutes)
5. Dualities of projective spaces, Summer School on General Algebra and Ordered Sets, Malenovice (2010. September)
6. Affine complete G-sets, International Conference on Algebras and Lattices, Prague (2010. June)
7. Compatible functions on permutation groups, Combinatorics, Groups, Algorithms, and Complexity, Columbus (2010. March)
8. Affine complete permutation groups, Summer School on General Algebra and Ordered Sets, Stara Lesna (2009. September)
9. Functions that are compatible with group actions, Southern Regional Algebra Conference, University of South Alabama, (2009. March), as coauthor
10. Affine complete G-sets, AMS Conference, Urbana (2009. March), as coauthor

### **Seminar talks**

1. (in English) Algebra seminar at Johannes Kepler University (Linz), Central European University (5x), Logic seminar of Paris 7 University
2. (in Hungarian) Rényi Institute (2x), Szeged University, Eötvös Loránd University (2x), Bolyai Kollégium (5x)

### **Invited researcher**

1. Johannes Kepler University (Linz) 2009. March
2. Johannes Kepler University (Linz) 2009. February

### **Other research activities**

1. Member of the Hungarian National Foundation for Scientific Research, grant number K67870, supervisor Csaba Szabó.

### **Other activities**

1. Member of the Bolyai Kollégium Government.
2. Member of the Student Union Assembly of the Central European University.
3. Organizer of a mathematics camp for elementary- and high school students.

### **Teaching experience**

1. Operational research for business mathematics students, 2011/2012. Spring.
2. Probability theory for business mathematics students, 2010/2011. Spring.
3. Calculus for business mathematics students, 2009/2010. Spring, 2010/2011. and 2011/2012. Autumn.

4. Universal Algebra and Logic for mathematics MSc students, 2010/2011. Spring.
5. Algebra for mathematics II BSc students, 2010/2011. Autumn.
6. Number theory for mathematics I BSc students, 2009/2010. Autumn.
7. Linear algebra for informatics students, 2007/2008. and 2008/2009. Autumn.

### **BSc students supervised**

1. Franciska Papp

### **Prizes**

1. Award for Advanced Doctoral Students (Central European University, 2012)
2. Prize of Excellence of the Faculty of Science, (Eötvös Loránd University, 2009)
3. Delegated to Vojtech Jarník International Competition (Ostrava, 2008)
4. International Mathematics Competition (Bulgaria, 2008), 1st Prize, member of winner team

András Pongrácz