

Kesälä Meeri Tuulikki

CONTACT INFORMATION	Dept. of Mathematics and Statistics P.O.Box 68 (Gustaf Hällströmin katu 2b) 00610 Helsinki, Finland	Room: D318 <i>E-mail</i> meeri.kesala@helsinki.fi
EDUCATION	University of Helsinki , Helsinki, Finland PhD in Mathematics, 2007. Thesis <i>Finitary abstract elementary classes</i> . MSc in Mathematics, 2003. Minors: Computer Science, Theoretical philosophy, Theoretical physics. Helsingin kuvataidelukio , Helsinki, Finland Matriculation, 1998	
ACADEMIC EXPERIENCE	Department of Mathematics and Statistics , University of Helsinki, Finland <i>Post Doc researcher (tutkijatohtori)</i> January, 2012 - present Invited participant at the workshop <i>Model theory and applications</i> at the Max Planck institute, Bonn, for April 14th to June 15th 2012. <i>Post Doc researcher (tutkijatohtori)</i> August, 2008 - July, 2011 Research and teaching in Mathematical Logic. Research visit to <i>Mittag-Leffler Institute</i> , Djursholm, Sweden in fall 2009. Maternity leaves in August 2008 - July 2009 and in September 2010 - June 2011. <i>Graduate Student</i> May, 2003 - March, 2007 Graduate school in Mathematical Logic (MALJA). Kurt Gödel Institute , University of Vienna, Austria <i>Post Doc Researcher</i> January - March 2008 Postdoc funded by FWF. <i>Lise Meitner Postdoctoral Fellow</i> April - June 2008 Personal project funding for 24 months. Project cancelled due to Maternity leave. Department of Mathematics, Statistics and Computer Science , University of Illinois at Chicago, USA <i>Visiting Scholar</i> April - December 2007 Research visit funded by the Academy of Finland.	
TEACHING	University of Helsinki , Finland <i>Second lecturer and teaching assistant</i> <i>Logiikka I (Cum Laude)</i> Spring 2010 <i>Lecturer</i> <i>Model Theory (Laudatur)</i> Fall 2006 <i>Teaching assistant</i> <i>Logiikka I (Cum Laude)</i> Spring 2006	

Teaching assistant
Matemaattinen logiikka (Laudatur)

Fall 2002

University of Illinois at Chicago, USA

Lecturer
Advanced Topics in Logic (Math 512)

Fall 2007

Duties included lecturing as one of four specialist lecturers. Other lecturers Professors John Baldwin, David Kueker and Dave Marker.

Helsinki School of Natural Sciences (Helsingin Luonnontiedelukio)

Upper Secondary School Teacher

Short temporary posts as a substitute mathematics teacher during years 2001 - 2003.

PUBLICATIONS

Scientific publications.

J.Baldwin, T. Hyttinen and M. Kesälä, *Beyond first order logic: From number of structures to structure of numbers parts I and II*. To appear in Bulletin of Iranian Mathematical Society.

T. Hyttinen and M. Kesälä, *Interpreting Groups and Fields in Simple, Finitary AECs*. To appear in Annals of Pure and Applied Logic.

T. Hyttinen and M. Kesälä, *Categoricity transfer in simple finitary abstract elementary classes*, Journal of Symbolic Logic, Volume 76, Issue 3 (2011), 759-806.

T. Hyttinen and M. Kesälä. *Lascar types and Lascar automorphisms in abstract elementary classes*, Notre Dame Journal of Formal Logic, 52(1): 39-54, 2011.

T. Hyttinen and M. Kesälä, *Superstability in simple finitary AECs*, Fundamenta Mathematicae, 195(3):221-268, 2007.

T. Hyttinen and M. Kesälä, *Independence in Finitary Abstract Elementary Classes*, Annals of Pure and Applied Logic, 143(1-3):103-138, 2006.

Popular publications, In Finnish.

M. Viljanen, *Toiminnallista matematiikkaa: Rosvo ja poliisi -peli*, Matematiikkalehti Solmu, 2/2005.

J.Björklund, S.Lehto, S.Pasanen and M.Viljanen *Sukkia ja muuta matematiikkaa* (teacher's guide to fun math), MFKA kustannus OY, 2002.

**SCIENTIFIC
PRESENTATIONS**

Invited Conference Presentations

16.9.-18.9. 2010 Set Theory, Model Theory, Generalized Quantifiers and Foundations of Mathematics, University of Helsinki, Finland. Invited talk *Interpreting groups and fields in non-elementary classes*.

3.-4.1.2008 The Finnish Mathematical Days, Helsinki University of Technology, Finland. Invited Ph.D. Presentation *Finitary Abstract Elementary Classes*.

30.7.-3.8.2007 Bogota Model Theory Meeting, Villa de Leyva, Columbia. Invited talk *Examples of Finitary Classes*.

17.7.-21.7.2006 Workshop on Classification theory for abstract elementary classes at the American Institute of Mathematics, Palo Alto, USA. Invited talk *Finitary abstract elementary classes*.

18.- 24.7 2005 Methods of logic in mathematics, Saint-Petersburg, Russia. Invited talk *Finitary abstract elementary classes*.

Posters and Other Scientific Presentations

4.1.-5.1. 2012, Mathematics Days, Leppävaara University of Technology, Leppävaara. Logic Session talk *A short introduction to non-elementary model theory*.

25.11.-28.11. 2010, Geometric Model Theory, Lady Margaret Hall, Oxford. Poster *Interpreting Groups and Fields*.

22.10.2009 Mittag-Leffler Institute, Sweden. Seminar talk *Finitary abstract elementary classes*.

2.4.2008 University of Helsinki, Finland. Seminar talk *Set theory and amalgamation in Abstract Elementary Classes*.

27.6.-30.6.2008 Around classification theory. Workshop at the School of Mathematics, University of Leeds, UK. Presentation *Simplicity in finitary abstract elementary classes*.

2.1.2008 University of Helsinki, Finland. Seminar talk *Finitary AEC and infinitary languages*.

5.10-6.10.2007 AMS Sectional Meeting, Chicago, USA. Special Session on Model Theory of Non-Elementary Classes, talk *Independence in Finitary Abstract Elementary Classes*.

6.9.2007 University of Notre Dame, USA. Seminar talk *Finitary abstract elementary classes*.

4.9.2007 University of Illinois at Urbana-Champaign, USA. Seminar talk *Finitary abstract elementary classes*.

4.6.2007 University of Helsinki, Finland. Visiting presentation *Examples of Finitary classes*.

1.5.2007 University of Maryland, USA. Seminar talk *Finitary abstract elementary classes*.

19.4-21.4.2007 ASL Spring Meeting (joint with APA), Chicago, USA. Contributed talk *Finitary abstract elementary classes*.

4.5.2006 Kurt Gödel Research Center, University of Vienna, Austria. Seminar talk *Finitary abstract elementary classes*.

4.-5.1.2006 Mathematics Days 2006, Tampere, Finland. Presentation *Abstract elementary classes*.

20.-21.11.2004 New York Graduate Student Logic Conference, St. Francis College, New York, USA. Presentation *Independence in local abstract elementary classes*.