

CURRICULUM VITAE

Boriša Kuzeljević

Born 1985 in Priboj, Serbia.
Married, 2 children.

Contact

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Education

Ph.D. University of Novi Sad, supervisor M. Kurilić (2014)
Thesis: *Partial orders of isomorphic substructures of relational structures*
(the thesis was written in Serbian and the results were published in papers (6) and (7) below);
M.Sc. University of Belgrade, supervisor A. Jovanović (2009)
Thesis: *Interval algebras*;
B.Sc. Faculty of Mathematics, University of Belgrade (2009);
Mathematical High School in Belgrade (2004).

Employment

Current appointments:

Postdoc at Institute of Mathematics of the Czech Academy of Sciences (2017-);
Assistant Research Professor at Mathematical Institute of the Serbian Academy of Sciences and Arts (2015-), on leave;

Past appointments:

Visiting Research Fellow at National University of Singapore, supervisor D. Raghavan (2015-2016);
Research Assistant at Mathematical Institute of the Serbian Academy of Sciences and Arts (2011-2015);
Teaching Assistant at Faculty of Mathematics, University of Belgrade (2009-2010);
Part-time teacher at Mathematical High School in Belgrade (2010-2015, 2016-2017).

Papers

- (1) *Antichains in self-embedding monoids of Fraïssé limits*,
(with M. Kurilić) in preparation.
- (2) *P-ideal dichotomy and a strong form of Souslin Hypothesis*,
(with S. Todorčević) submitted.
- (3) *A long chain of P-points*,
(with D. Raghavan) submitted.
- (4) *On the structure of random hypergraphs*,
submitted.
- (5) *Forcing with matrices of countable elementary submodels*,
(with S. Todorčević) Proceedings of the American Mathematical Society 145 (2017) 2211-2222.
- (6) *Maximal chains of isomorphic subgraphs of countable ultrahomogeneous graphs*,
(with M. Kurilić) Advances in Mathematics 264 (2014), 762-775.
- (7) *Maximal chains of isomorphic suborders of countable ultrahomogeneous partial orders*,
(with M. Kurilić) Order 32,1 (2015), 83-99.
- (8) *Maximal chains of isomorphic subgraphs of the Rado graph*,
(with M. Kurilić) Acta Mathematica Hungarica, 141,1 (2013), 1-10.

Professional service

Member of the Organising Committee for the international conferences:

SETTOP 2016, Fruska Gora, June 2016;

SETTOP 2014, Novi Sad, August 2014.

Reviewer for Mathematical Reviews:

Research projects

Participant on the research project *Combinatorial Set Theory and Sets of Real Numbers* (R-146-000-211-112) at the National University of Singapore (2015-2016);

Participant on the research project *Set theory, model theory and set-theoretic topology* (ON174006), funded by the Serbian Ministry of Education and Science (2011-2016).

Research visits

Department of Logic, Charles University in Prague, April 2017;

Institut de Mathématiques de Jussieu - Paris Rive Gauche, June 2014.

Talks

P-ideal dichotomy and a strong form of the Souslin Hypothesis

talk at the Prague Set Theory Seminar, October 2017;

A long chain of P-points

talk at the 6th European Set Theory Conference, Budapest, July 2017;

Isomorphic substructures of Fraïssé limits

talk at the Institute of Mathematics CAS, Prague, April 2017;

A long chain of P-points

talk at the Prague Set Theory Seminar, April 2017;

Global theory of ultrafilters

talk at the Mathematics Colloquium at Mathematical Institute SANU, October 2016;

A long chain of P-points

talk at the Mathematical Logic seminar at National University of Singapore, April 2016;

Forcing with matrices of countable elementary submodels

talk at the JSPS-IMS Joint Workshop on Mathematical Logic, Singapore, January 2016;

Forcing with matrices of countable elementary submodels

talk at Independence Results in Mathematics and Challenges in Iterated Forcing, Norwich, November 2015;

Isomorphic substructures of Fraïssé limits

talk at Mathematical Logic Seminar at National University of Singapore, August 2016;

Strong amalgamation property

talk at MACORS 2015, Trebinje, June 2015;

Isomorphic substructures of Fraïssé limits

talk at Mathematics Colloquium at Mathematical Institute SANU, March 2016;

Maximal chains of isomorphic substructures of ultrahomogeneous relational structures

talk at SETTOP 2014, Novi Sad, August 2014;

On the structure of the countable ultrahomogeneous partial orders

talk at INFTY Final Conference, Bonn, March 2014;

Maximal chains of isomorphic subgraphs of the Rado graph

talk at LOGTOP 2012, Novi Sad, September 2012;

talks at the Mathematical Institute SANU seminar in mathematical logic:

Ramsey's theorem and the first uncountable cardinal, October 2016,

Forcing with matrices of countable elementary submodels, November 2014,

Martin's Maximum, December 2013,

On the structure of the Rado graph, March 2012,

Martin's Axiom, October 2011,

The space $\beta\mathbb{N}$, May 2010;

talks at the DMI, University of Novi Sad, seminar in set theory:

Forcing with countable elementary submodels of H_θ , December 2014,

Maximal chains of copies of the countable ultrahomogeneous graphs, October 2013,

Ultrahomogeneous partial orders, April 2013,

Jónsson classes, mini-course held in January 2012;