Curriculum Vitae

Wiesław Kubiś

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Personal data: I was born 25 July 1971 in Rybnik, Poland. My nationality is Polish. I am married and have 2 children.

Education:

- (2007) Habilitation in mathematics, University of Warsaw, Poland.

- (2000) PhD in mathematics, with distinction, University of Silesia in Katowice, Poland.

Professional experience:

- (2008 – present) Researcher, Institute of Mathematics, Academy of Sciences of the Czech Republic, Prague, Czech Republic.

- (2008 – present) Associate Professor, Institute of Mathematics, Jan Kochanowski University in Kielce, Poland.

- (2005 – 2007) Assistant Professor, Institute of Mathematics, Swietokrzyska Academy in Kielce, Poland.

- (2000 – 2005) Assistant Professor, Institute of Mathematics, University of Silesia in Katowice, Poland.

- (1995 – 2000) Academic Teacher, Institute of Mathematics, University of Silesia in Katowice, Poland.

Postdoctoral and invited research positions:

- (September – December 2013) The Hausdorff Research Institute for Mathematics, Bonn, Germany. Invited to attend the Trimester Program *Universality and Homogeneity.*

- (October 2012) The Fields Institute for Research in Mathematical Sciences, Toronto, Canada. Attending the thematic program on Forcing and its Applications.

- (April – October 2010) Universitat de Valencia, Department of Mathematical Analysis, Valencia, Spain. Visiting professor position.

- (January – March 2007) University of Toronto and The Fields Institute for Research in Mathematical Sciences, Toronto, Canada. Visiting professor position.

- (June 2006) Université de Savoie, Department of Mathematics, Chambery, France. Visiting professor position.

- (March – September 2004) Université Paris 7, L'Equipe de Logique Mathématique, Paris, France. NATO Science Fellowship.

- (September 2003 – March 2004) York University, Atkinson Faculty, Toronto, Canada. Postdoctoral position.

- (January – June 2003) University of Prince Edward Island, Department of Mathematics, Charlottetown, Canada. Postdoctoral position.

- (September – December 2002) The Fields Institute for Research in Mathematical Sciences, Toronto, Canada. Thematic Program in Set Theory and Analysis. Postdoctoral position.

- (September 2000 – August 2002) Ben-Gurion University of the Negev, Department of Mathematics, Beer-Sheva, Israel. Postdoctoral position.

Plenary/invited lectures at international conferences:

- (2014) Plenary lecture, *ALaNT 3—Joint Conferences on Algebra, Logic and Number Theory*, 8 – 13 June, Będlewo, Poland.

- (2014) Invited lecture, *14th Colloquiumfest*, 28 February – 1 March, Saskatoon, Canada,

- (2013) Invited lecture, *4th European Set Theory Conference*, 15 – 18 July, Mon St Benet, near Barcelona, Spain.

- (2013) Plenary lecture, *Interactions between Logic, Topological structures and Banach spaces theory*, 19 – 24 May, Eilat, Israel.

- (2013) Series of invited lectures, *Applications of Logic in Philosophy and Foundations of Mathematics*, 6 – 10 May, Szklarska Poręba, Poland. Annual international conference gathering researchers in logic and its applications to philosophy.

- (2012) Invited lecture, *Workshop on Forcing Axioms and their Applications*, 22 – 26 October, Toronto, Canada. International workshop organized at the Fields Institute as part of the Thematic Program on Forcing and its Applications (July – December 2012).

- (2012) Invited lecture, *Continuous Logic and Functional Analysis*, 16 – 20 July, Lyon, France. International workshop devoted to special problems in functional analysis and related areas.

- (2012) Plenary lecture, *Trends in Set Theory*, 8 – 11 July, Warsaw, Poland. International conference in set theory and its applications, satellite to the 6th European Congress of Mathematics.

- (2011) Series of invited lectures, *Set-theoretic Techniques in Functional Analysis*, Banach Space Meeting, 21 – 24 February, Castro Urdiales, Spain. International mini-conference devoted to special subjects in Banach space theory.

- (2010) Plenary lecture, *Automorphism Groups of Topological Structures*, 19 – 24 June, Eilat, Israel. International conference devoted to special problems in topological algebra.

- (2010) Invited talk, *International Functional Analysis Meeting in Valencia on the Occasion of the 80th Birthday of Professor Manuel Valdivia*, 7 – 11 June, Valencia, Spain. International meeting with several section in various branches of functional analysis.

- (2010) Invited lecture, *Young Set Theory Workshop*, 15 – 19 February, Seminarzentrum Raach near Vienna, Austria.

- (2010) Series of invited lectures, *Approximation Properties of Banach spaces*, 11 – 13 February, Castro Urdiales, Spain. International mini-conference devoted to special subjects in Banach space theory.

- (2008) Invited lecture, *Iberian Mathematical Meeting*, 3 – 5 October, Badajoz, Spain. International meeting with several sections, including Functional Analysis.

- (2007) Series of invited lectures, *Spring School on Banach Spaces*, 15 – 24 April, Paseky nad Jizerou, Czech Republic. International meeting devoted to structure and renormings of non-separable Banach spaces, and its interplay with topology, set theory and combinatorics.

- (2006) Plenary lecture, *10th Prague Topological Symposium*, 13 – 19 August, Prague, Czech Republic. International symposium in set-theoretic topology and related areas, organized traditionally each five years and bringing specialists from all over the world.

- (2002) Invited talk, *American Mathematical Society Special Session on Topology and Its Applications*, 6 – 9 January, Annual AMS Meeting in San Diego, USA.

Grants:

- (2012 – 2015) Category-theoretic framework for the Fraïssé-Jónsson construction. Grant No. DEC-2011/03/B/ST1/00419 by the National Science Center, Poland. Role: **leader**.

- (2010 – 2012) Structures and complexity in Banach spaces. Grant No. MTM2010-20190 by the Ministry of Science and Innovation, Spain. Role: participant.

- (2009 – 2014) New Frontiers of Infinity: Mathematical, Philosophical and Computational Prospects. An ESF Research Networking Program. Role: participant.

- (2009 – 2011) Topological and geometric structures in Banach spaces. Grant No. IAA 100 190 901 by the Czech Science Foundation, Czech Republic. Role: participant.

- (2007 – 2008) Projections in Banach spaces of continuous functions. Grant No. N201 024 32/0904 by the Ministry of Science and Higher Education, Poland. Role: **leader**.

- (2004) Spaces of continuous functions on compact spaces. NATO Science Fellowship. Role: **leader**.

- (2001) Topological properties of hyperspaces. Grant No. 5P03A04420 by the Committee for Scientific Research, Poland. Role: **leader**.

Conferences organized:

- (2014) 29th Summer Conference on Topology and its Applications, New York, USA. Member of the organizing committee, session *Topology in Functional Analysis*.

- (2013) Workshop on Fractal Structures, Ultrametrics and Ordered Fields, 17 – 20 April, Cieszyn, Poland. Member of the organizing committee. [13 participants]

- (2010) 25th Summer Conference on Topology and its Applications, 25 – 30 July, Kielce, Poland. Chair of the organizing committee. [101 participants]

- (2008) Set Theory, Topology and Banach Spaces, 7 – 11 July, Kielce, Poland. Member of the scientific committee. [47 participants]

- (2006) International Conference on Set-theoretic Topology, 20 – 25 August, Kielce, Poland. Vice-chair of the organizing committee. [44 participants]

PhD students:

- (started in 2010) Joanna Garbulińska-Węgrzyn, Jagiellonian University in Kraków, Poland.

- (started in 2010) Magdalena Nowak, Jagiellonian University in Kraków, Poland.

- (started in 2012) Marta Walczyńska, University of Silesia in Katowice, Poland.

Memberships:

- (2012) Member of the Advisory Board of *Topological Algebra and Applications*. A new international peer-reviewed journal devoted to algebraic topological structures and their applications to other areas of mathematics, physics, economy, and computer science.

- (2008 – present) Polish Mathematical Society. Chair of the Kielce Section.

Awards:

- (2011) Prize for the best paper in journals published by the Institute of Mathematics, Academy of Sciences of the Czech Republic.

- (2007) Prize of the President of Jan Kochanowski University in Kielce, Poland, for excellence in research.

- (2000) Prize of the President of the University of Silesia in Katowice, Poland, for outstanding doctoral dissertation.

Other:

- (2012) Invitation to participate, as one of the experts, in the Hausdorff Trimester Program *Universality and Homogeneity*, September – December 2013, Hausdorff Center for Mathematics, Bonn, Germany.

- (2011) Lecture at the scientific session of *La Real Academia de Ciencas Exactas, Físicas y Naturales*, Madrid.

Publications:

Monograph

> J. Kąkol, W. Kubiś, and M. López-Pellicer, *Descriptive Topology in Selected Topics of Functional Analysis*, Developments in Mathematics 24, Springer, New York, Dordrecht, Heidelberg, London, ISBN 978-1-4614-0528-3 (493 pages)

Articles

1. F. Cabello Sánchez, J. Garbulińska-Węgrzyn, W. Kubiś, *Quasi-Banach spaces of almost universal disposition*, to appear in Journal of Functional Analysis

2. T. Banakh, R. Bonnet, W. Kubiś, *Means on scattered compacta*, to appear in Topological Algebra and Applications

3. W. Kubiś, *Injective objects and retracts of Fraïssé limits*, to appear in Forum Math.

4. W. Kubiś, A. Kucharski, S. Turek, *Parovičenko spaces with structures*, to appear in RACSAM

5. J. Garbulińska-Węgrzyn, W. Kubiś, *A universal operator on the Gurarii space*, to appear in the Journal of Operator Theory

6. W. Kubiś, K. Moltó, S. Troyanski, *Topological properties of the continuous function spaces on some ordered compacta*, Set-Valued Var. Anal. 21 (2013) 649–659

7. J. Ferrer, P. Koszmider, W. Kubiś, *Almost disjoint families of countable sets and separable complementation properties*, J. Math. Anal. Appl. 401 (2013) 939–949

8. W. Kubiś and S. Solecki, *A proof of the uniqueness of the Gurarii space*, Israel J. Math. 195 (2013) 449–456

9. W. Kubiś and B. Vejnar, *Covering an uncountable square by countably many continuous functions*, Proc. Amer. Math. Soc. 140 (2012) 4359–4368

10. J. Garbulińska and W. Kubiś, *Remarks on Gurarii spaces*, Extracta Math. 26 (2011) 235–269

11. O. Kalenda and W. Kubiś, *Complementation in spaces of continuous functions on compact lines*, J. Math. Anal. Appl. 386 (2012) 241–257
    DOI: 10.1016/j.jmaa.2011.07.057

12. W. Kubiś and S. Turek, *A decomposition theorem for compact groups with application to supercompactness*, Cent. European J. Math. 9 (2011) 593–602

13. W. Kubiś and A. Moltó, *Finitely fibered Rosenthal compacta and trees*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. (RACSAM) 105 (2011) 23–37

14. O. Kalenda and W. Kubiś, *The structure of Valdivia compact lines*, Topology Appl. 157 (2010) 1142–1151

15. W. Kubiś and M. Rubin, *Extension and reconstruction theorems for the Urysohn universal metric space*, Czechoslovak Math. J. 60 (2010) 1–29

16. W. Kubiś, *Banach spaces with projectional skeletons*, J. Math. Anal. Appl. 350 (2009) 758–776

17. R. Bonnet, L. Faouzi, and W. Kubiś, *Free Boolean algebras over unions of two well orderings*, Topology Appl. 156 (2009) 1177–1185

18. W. Kubiś, *Valdivia compact abelian groups*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. (RACSAM) 102 (2008) 193–197

19. U. Abraham, R. Bonnet, and W. Kubiś, *Poset algebras over well quasi-ordered posets*, Algebra Universalis 58 (2008) 263–286

20. W. Kubiś and K. Sakai, *Hausdorff hyperspaces of R^m and their dense subspaces*, J. Math. Soc. Japan 60 (2008) 193–217

21. W. Kubiś, *Linearly ordered compacta and Banach spaces with a projectional resolution of the identity*, Topology Appl. 154 (2007) 749–757

22. M.R. Burke, W. Kubiś, and S. Todorčević, *Kadec norms on spaces of continuous functions*, Serdica Math. J. 32 (2006) 227–258

23. W. Kubiś, *Compact spaces generated by retractions*, Topology Appl. 153 (2006) 3383–3396

24. W. Kubiś and H. Michalewski, *Small Valdivia compact spaces*, Topology Appl. 153 (2006) 2560–2573

25. W. Kubiś, O. Okunev, and P. Szeptycki, *On some classes of Lindelöf Σ-spaces*, Topology Appl. 153 (2006) 2574–2590

26. W. Kubiś and V. Uspenskij, *A compact group which is not Valdivia compact*, Proc. Amer. Math. Soc. 133 (2005) 2483–2487

27. W. Kubiś, K. Sakai, and M. Yaguchi, *Hyperspaces of separable Banach spaces with the Wijsman topology*, Topology Appl. 148 (2005) 7–32

28. M. Kojman, W. Kubiś, and S. Shelah, *On two problems of Erdős and Hechler: new methods in singular madness*, Proc. Amer. Math. Soc. 132 (2004) 3357–3365

29. U. Abraham, R. Bonnet, W. Kubiś, and M. Rubin, *On poset Boolean algebras*, Order 20 (2004) 265–290

30. W. Kubiś and A. Leiderman, *Semi-Eberlein spaces*, Topology Proceedings 28 (2004) 603–616

31. W. Kubiś, *Complete metric absolute neighborhood retracts*, Topology Appl. 132 (2003) 251–259

32. W. Kubiś, *Perfect cliques and G_δ colorings of Polish spaces*, Proc. Amer. Math. Soc. 131 (2003) 619–623

33. W. Kubiś and S. Shelah, *Analytic colorings*, Ann. Pure Appl. Logic 121 (2003) 145–161

34. C. Costantini and W. Kubiś, *Paths in hyperspaces*, Appl. Gen. Topol. 4 (2003) 377–390

35. S. Geschke, M. Kojman, W. Kubiś, and R. Schipperus, *Convex decompositions in the plane and continuous pair colorings of the irrationals*, Israel J. Math. 131 (2002) 285–317

36. W. Kubiś, *Separation properties of convexity spaces*, J. Geom. 74 (2002) 110–119

37. W. Kubiś, *A sandwich theorem for convexity preserving maps*, Tatra Mt. Math. Publ. 24, part II, (2002) 125–131

38. W. Kubiś, *A characterization of complete Boolean algebras*, Bull. Polish Acad. Sci. Math. 49 (2001) 91–95

39. W. Kubiś and A. Kucharski, *Convexity structures in zero-dimensional compact spaces*, Math. Pannon. 12 (2001) 177–183

40. W. Kubiś, *Extension theorems in axiomatic theory of convexity*, Bull. Polish Acad. Sci. Math. 48 (2000) 89–96

41. W. Kubiś, *Extension criterion for continuous convexity preserving maps*, Tatra Mt. Math. Publ. 19, part II, (2000) 167–175

42. B. Kubiś and W. Kubiś, *Fréchet type theorem and its applications to multifunctions*, Bull. Polish Acad. Sci. Math. 48 (2000) 165–170