Curriculum Vitae and Publications

PERSONAL INFORMATION

Name:	Yurii Daniilovich Khomskii
Titles:	Dr., Privatdozent (Habilitation)
Date of Birth:	5 September 1980
Place of Birth:	Moscow, Russia
Nationality:	Dutch and Russian
Family situation:	Married, two children
Languages:	Fluent: English, Russian, German, Dutch, Bulgarian
	Conversational: Hebrew
URL:	`https://www.math.uni-hamburg.de/home/khomskii/`

EDUCATION & QUALIFICATION

21.11.2022	BKO (Basiskwalifikatie Onderwijs)
	Vrije Universiteit Amsterdam
15.01.2018	Habilitation (Privat-Dozent)
	Hamburg University.
10.02.2012	PhD
	Institute of Logic, Language and Computation (ILLC)
	University of Amsterdam, the Netherlands
	Supervisor: Benedikt Löwe
14.08.2007	M.Sc. Logic ("cum laude")
	Institute of Logic, Language and Computation (ILLC)
	University of Amsterdam, the Netherlands
	Supervisor: Benedikt Löwe
18.04.2005	B.Sc. Mathematics
	University of Leiden, the Netherlands
18.06.2003	Bachelor performing musician (piano)
	Conservatorium Groningen, the Netherlands

CURRENT POSITION

From 01.03.2021	*Lecturer and Academic Tutor*, Amsterdam University College (AUC), Amsterdam
From 01.03.2019	*Privatdozent* (permanent affiliation) Hamburg University, Germany.

PREVIOUS POSITIONS

01.02.2019 – 28.02.2021	Lecturer at Amsterdam University College (AUC), Amsterdam,
01.03.2017 – 28.02.2019	Marie Skłodowska-Curie fellow, Hamburg University, Germany.
01.03.2015 – 28.02.2017	Postdoctoral researcher (*Wissenschaftlicher Mitarbeiter*) Hamburg University, Germany.
01.03.2012 – 28.02.2015	Postdoctoral researcher Kurt Gödel Research Center for Mathematical Logic (KGRC) University of Vienna
01.09.2011 – 31.01.2012	Lecturer Amsterdam University College (AUC)
01.09.2007 – 15.02.2012	PhD candidate (*Promovendus*) Institute of Logic, Language and Computation (ILLC) University of Amsterdam, the Netherlands

TEACHING EXPERIENCE

2018 –	Lecturer, AUC. Teaching the courses: *Logic, Information, Argumentation*, *Mathematical Logic*, *Linear Algebra*, *Calculus*, *Calculus for Economics*, *Statistics for Science*.
2017 –	Guest lecturer & researcher at the ILLC: several *Coordinated Projects* and *Individual Projects* in logic and set theory, University of Amsterdam.
2018 –	Privatdozent, Hamburg University: regular coordinated seminars in logic and set theory.
2015 – 2017	Wissenschaftlicher Mitarbeiter, Hamburg University (lecturing and assisting various mathematics courses)
2012 – 2015	Postdoctoral Researcher, Vienna University (lecture "advanced set theory")
June 2013	Invited lecturer on game theory at the HIM programme *Stochastic Dynamics in Economics and Finance*, Bonn, Germany (invitation by prof. Igor Evstigneev)
Fall 2011	Lecturer, AUC ("Logic, Information Flow and Argumentation")
July 2010	Invited intensive course "Infinite Games", Sofia University, Bulgaria
2007 – 2012	Various teaching duties as *Promovedus*, UvA (lecture "selected topics in set theory"; 6 classes as teaching assistant)

STUDENT SUPERVISION

- Sophia Mexi-Jones (Bachelor Thesis, AUC, graduation June 2020)
- Hrafn Oddsson (MSc Thesis, UvA, graduation April 2021)
- Jonathan Osinski (MSc Thesis, UvA, graduation September 2021)
- Jonathan Osinksi (PhD Thesis, Hamburg University, started September 2021)
- Yuval Goren (Bachelor thesis, AUC, graduation June 2022)
- Leah Dollo (Bachelor Thesis, AUC, graduation January 2023)

FELLOWSHIPS AND AWARDS

01.09.2007 – 15.02.2012	Mosaic Award 2007: A grant for a four-year period of doctoral research, awarded by the Netherlands Organisation for Scientific Research (NWO), aimed at stimulating the participation of ethnic minorities in academic research.
01.03.2017 – 28.02.2019	Marie Skłodowska-Curie fellowship (University of Hamburg, Germany), project REGPROP.

ORGANISATION OF SCIENTIFIC MEETINGS

September 2016	*Colloquium Logicum* (bi-annual meeting of the German mathematical logic society DVMLG), Hamburg, Germany (one of two co-organizers)
September 2015	Set Theory Workshop at the *annual meeting of the Deutsche Mathematiker-Vereinigung (DMV)*, Hamburg, Germany (one of three co-organizers)
2009–2011	Seminar series *Logic Tea*, University of Amsterdam (one of three co-organizers)
June 2010	*Amsterdam workshop in set theory* (main organizer)
May 2009	*Amsterdam workshop in set theory* (main organizer)

REVIEWING ACTIVITIES

I have refereed academic articles articles for the following journals, books or proceedings:

- *Journal of Symbolic Logic*;
- *Fundamenta Mathematicae*;
- *Proceedings of the American Mathematical Society*;
- *Archives for Mathematical Logic*;
- *Mathematical Logic Quarterly*;
- *Journal of Applied Non-Classical Logics*;
- *Journal of Dynamics and Games*;
- *CiE 2012, Cambridge, England*;
- *Logic, Computation, Hierarchies*, volume 4 of Ontos Mathematical Logic, De Gruyter, (2014);
- *Outstanding Contributions to Logic: Jaakko Hintikka*, edited by G. Sandu and H. van Ditmarsch (Springer-Verlag).

PUBLICATIONS

Below is a list of all publications. Two publications with special emphasis are [4] and [16]. Preprints or accessible journal links are available on my personal website:
`https://www.math.uni-hamburg.de/home/khomskii/`.

1. Yurii Khomskii, **William of Sherwood, singular propositions and the Hexagon of Opposition**, Jean-Yves Béziau and Gillman Payette (eds.), New Perspectives on the Square of Opposition, Peter Lang, Bern, 2010.
2. Yurii Khomskii, **A general setting for the pointwise investigation of determinacy**, Proceedings of the Third Indian Conference on Logic and Applications, (Eds.) R. Ramanujam and Sundar Sarukkai, Springer LNAI 5378, 2009. pp 187–197.
3. Jörg Brendle, Yurii Khomskii, **Polarized partitions on the second level of the projective hierarchy**, Annals of Pure and Applied Logic 163, 2012. pp 1345–1357.
4. Jörg Brendle, Yurii Khomskii, **Mad families constructed from perfect a.d. families**, Journal of Symbolic Logic 78 (4), 2014. pp. 1164-1180.
5. Yurii Khomskii, **Projective Hausdorff gaps**, Archive for Mathematical Logic 53:1-2, 2014. pp 57–64.
6. Vera Fischer, Yurii Khomskii, Sy Friedman, **Co-analytic mad families and projective wellorders**, Archive for Mathematical Logic 52:7-8, 2013. pp 809–822.
7. Vera Fischer, Sy Friedman, Yurii Khomskii, **Cichoń's diagram, regularity properties and Δ_3^1 sets of reals**, Archive for Mathematical Logic 53:5–6, 2014. pp 695–729.
8. Vera Fischer, Sy Friedman, Yurii Khomskii, **Measure, category and projective wellorders**, Journal of Logic and Analysis 6, Paper 8, 2014. (25 pp).
9. Sy Friedman, Yurii Khomskii, Vadim Kulikov, **Regularity properties on the generalised reals**, Annals of Pure and Applied Logic 167, 2016. pp 408–430.
10. Barnabas Farkas, Yurii Khomskii, Zoltán Vydyánszki, **Almost disjoint refinements and mixing reals**, Fundamenta Mathematicae 242, 2018. pp 25–48.
11. Yurii Khomskii, Giorgio Laguzzi, Benedikt Löwe, Ilya Sharankou, **Questions on Generalised Baire Spaces**, Mathematical Logic Quarterly 62:4-5, 2016. pp 439–456.
12. Yurii Khomskii, Giorgio Laguzzi, **Full-splitting Miller trees and infinitely often equal reals**, Annals of Pure and Applied Logic 168:8, 2017. pp 1491—1506.
13. Jörg Brendle, Yurii Khomskii, Wolfgang Wohofsky, **Cofinalities of Marczewski ideals**, Colloquium Mathematicum 150, 2017. pp 269–279.
14. Yurii Khomskii, **Filter-Laver measurability**, Topology and its Applications, Volume 228, 2017. pp 208–221.
15. Jörg Brendle, Vera Fischer, Yurii Khomskii, **Definable maximal independent families**, Proceedings of the AMS, 147, 2019. pp 3547–3557
16. Giorgio Laguzzi, Yurii Khomskii, Marlene Koelbing and Wolfgang Wohofsky, **Laver trees in the generalized Baire space**, Israel Journal of Mathematics, 2022. https://doi.org/10.1007/s11856-022-2465-5
17. Lorenzo Galeotti, Yurii Khomskii, Jouko Väänänen, **Symbiosis and Upwards Reflection**, submitted (preprint 2021).
18. Yurii Khomskii, Hrafn Oddsson, **Paraconsistent and Paracomplete Zermelo-Fraenkel Set Theory**, submitted (preprint 2022).