

Jurij Kozicki

CURRICULUM VITAE

7 April 2022

1. Personal details

- Full name: Jurij Kozicki
- Date and place of birth: 21 April 1949, Krukow, Ukraine
- Citizenship: Polish
- Married: wife Kozicka Ludmila, two daughters.

2. Addresses

- Institute of Mathematics, Maria Curie-Skłodowska University, 20-031 Lublin, Poland (work) Ul. Czechowska 7, m. 2, 20-072 Lublin, Poland (home)
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3. Education – qualifications

- 1967 – 1972: University of Lviv, Lviv, Ukraine, master degree in theoretical physics.
- 1976 – 1980: Institute for Theoretical Physics, Academy of Sciences of Ukraine, Kyiv, Ukraine, PhD study in mathematical physics.
- April 1981: Received PhD in mathematical physics from Institute for Theoretical Physics, Academy of Sciences of Ukraine, Kyiv, Ukraine, Thesis "Application of the Method of Collective Variables to the Study of Scalar Models of Phase Transitions", supervised by Prof. Dr. Igor Yukhnovskii.
- February 1992: Received Doctor of Science Degree in mathematics (mathematical analysis) from Institute of Mathematics, Academy of Sciences of Ukraine, Kyiv, Ukraine, Dissertation "Laguerre Entire Functions in Problems of Mathematical Physics".
- July 1994: Professorship in mathematics, Ministry of Education of Ukraine.

4. Past and current positions

- January 1980 – January 1982: Research fellow, Institute for Theoretical Physics, Lviv Division, Academy of Sciences of Ukraine, Lviv, Ukraine.
- January 1982 – September 1984: Senior Lecturer, Chair of Higher Mathematica, Lviv Academy of Commerce, Lviv, Ukraine.
- September 1984 – September 1996: Head of Chair of Higher Mathematica, Lviv Academy of Commerce, Lviv, Ukraine
- September 1996 – present: Professor, Institute of Mathematics, Maria Curie-Skłodowska University, Lublin, Poland.

5. PhD supervision

- M. Melnyk, "Laguerre Entire Functions and Measures Possessing the Lee-Yang Property" (1990)
- A. Kozak, "Nonlinear Gaussian Transformation in Hilbert Spaces" (2003)

- P. Oleszczuk, "Sturm-Liouville Operators of Second Order and Related Problems of the Analysis on Half-line" (2004)
- A. Kargol, "Methods of Infinite Dimensional Analysis in the Theory of Gibbs Random Fields" (2003)
- D. Kępa, "Euclidean Gibbs States of Systems on Graphs" (2011)
- M. Kotorowicz, "Motif Based Hierarchical Random Graphs and their Applications" (2011)
- J. Barańska, "Markov Jump Dynamics in the Continuum" (2018)
- A. Łanias, "Fragmentation problems in continuum with applications" (2021)
- K. Pilorz, "Coalescence processes in continuum with applications" (2021)

6. Grants

- November 1994 – December 1996: Principal Investigator of the research projects UCN 000, UCN 200 of the International Science Foundation, USA
- November 1995 – December 1995: Stipendium DAAD (referat 325), Germany
- November 1998 – October 2001: Investigator of the grant of Polish Scientific Research Committee, KBN 2 P03A 02915
- January 2002 – December 2004: Coordinator of the Polish team of the Joint GermanPolish project 436 POI 113/98 0-1, DFG, Germany
- October 2003 – October 2005: Principal Investigator of the grant of Polish Scientific Research Committee, KBN 2 P03A 02025
- June 2004: London Mathematical Society fellowship (<http://www.lms.ac.uk/newsletter/327/327main.html>)
- September 2005 – December 2007: Coordinator of the Polish team of the Joint GermanPolish project 436 POI 113/115 0-1, DFG, Germany
- September 2007 – June 2008: Promotor Grant of Polish Scientific Research Committee, KBN N N201 0761 33
- February 2008 – January 2012: Coordinator of the Polish team of the Joint German-Polish project 436 POI 113 125 0-1, DFG, Germany
- January 2014 – January 2018: Project Coordinator of the EU 7P Maria Curie Action Project STREVCOMS PIRSES-2013-612669
- January 2015 – December 2016: Coordinator of the Polish team of the Joint German-Polish DAAD-PPP Project 57154469, Germany
- January 2018 – present: Investigator of the Grant 2017/25/B/ST1/00051 of National Science Centre (NCN), Poland

7. Research and teaching abroad

- 1993 – present, 2-3 months each year: Visiting Researcher, Forschungszentrum BiBoS, Universität Bielefeld, Bielefeld, Germany.
- July-August 2005: Research Fellowship at ZiF, Universität Bielefeld, project Stochastic Modelling in the Sciences: Stochastic Partial Differential Equations and Random Media.
- July-October 2012: Research Fellowship at ZiF, Universität Bielefeld, project Stochastic Dynamics: Mathematical Theory and Applications.
- March-July 2013: Invited Professor, ORT Braude College, Karmiel, Israel
- September-December 2016: Research Fellowship at ZiF, Universität Bielefeld, project Multiscale Modelling of Tumour Initiation, Growth and Progression: From Gene Regulation to Evolutionary Dynamics

8. Selected publication

A. Monographs

1. Sergio Albeverio, Yuri Kondratiev, Yuri Kozitsky, and Michael Roeckner, *Quantum Anharmonic Crystal: A Path Integral Approach*, EMS Tracts in Mathematics, 8, European Mathematical Society (EMS), Zürich, 2009, xiv+379 pp.

B. Articles

- [1] Yuri Kondratiev, Yuri Kozitsky, Tanja Pasurek, Gibbs measures of disordered lattice systems with unbounded spins, *Markov Process. Related Fields*, 18 553–582 (2012)
- [2] Christoph Bems, Yuri Kondratiev, Yuri Kozitsky, Oleksandr Kutoviy, Kawasaki dynamics in continuum: micro- and mesoscopic descriptions, *J. Dynamics Diff. Equations*, 25, 1027–1056 (2013)
- [3] Yuri Kozitsky, David Shoikhet, Jaroslav Zemanek, Power convergence of Abel averages, *Archiv der Mathematik*, 100 539–549 (2013)
- [4] Filippo Bracci, Yuri Kozitsky, David Shoikhet, Abel averages and holomorphically pseudocontractive maps in Banach spaces, *J. Math. Analysis Applications*, 423, 1580–1593 (2015)
- [5] Dmitri Finkelshtein, Yuri Kondratiev, Yuri Kozitsky, Oleksandr Kutoviy, The statistical dynamics of a spatial logistic model and the related kinetic equation, *Math. Models Methods Appl. Sci.* 25 343–370 (2015)
- [6] Yuri Kondratiev, Yuri Kozitsky, Self-regulation in the Bolker-Pacala model, *Appl. Math. Lett.* 69 106–112 (2017)
- [7] Joanna Barańska, Yuri Kozitsky, The global evolution of states of a continuum Kawasaki model with repulsion, *IMA J. Appl. Math.* 83 412–435 (2018)
- [8] Joanna Barańska, Yuri Kozitsky, A Widom-Rowlinson jump model in the continuum, *J. Dynamics Diff. Equations*, 39 637–665 (2018)
- [9] Yuri Kozitsky, Evolution of infinite population of immigrants: micro- and mesoscopic description, *J. Math. Anal. Applications*, 477 294–333 (2019)
- [10] Dorota Kępa-Maksymowicz, Yuri Kozitsky, Uniqueness of Gibbs fields with unbounded random interactions on unbounded degree graphs, *Lett. Math. Phys.* 110 2505–2518 (2020)
- [11] Yuri Kozitsky, Michael Roeckner, A Markov process for an infinite interacting particle system in the continuum, *Electron. J. Probab.* 26: 1-53 (2021)
- [12] Yuri Kozitsky, Stochastic branching at the edge: individual-based modeling of tumor cell proliferation, *J. Evol. Equ.* 21 2081–2104 (2021)
- [13] Agnieszka Tanaś, Yuri Kozitsky, Evolution of an infinite fission-death system in the continuum, *J. Math. Anal. Applications*, 501 125222 (2021)
- [14] Agnieszka Tanaś, Yuri Kozitsky, Evolution of states of an infinite particle system with nonlocal branching, *J. Evol. Equ.* 22 7 (2022)
- [15] Dominika Jasińska, Yuri Kozitsky, A Markov process for an infinite age-structured population, *ALEA Lat. Am. J. Probab. Stat.* 19 467–492 (2022).