

Volodymyr Tesko



Profession	Mathematician
Scientific Degree	Ph.D. in Mathematics, 2005 (Institute of Mathematics, Kiev) Thesis Advisor: Prof. Dr. Yuriy Berezansky
Current Position	Senior Research Fellow (Department of Functional Analysis, Institute of Mathematics, Kiev)
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Research Interests

Functional Analysis, Probability Theory, Mathematical Physics

Membership in Professional Societies

- Kiev Mathematical Society

Grants and Scholarships

Germany	<i>DAAD Scholarship, University of Bielefeld</i>	Nov-Dec 2011
Ukraine	<i>Scholarship of the Ukraine President for young scientists</i>	2009-2010
Ukraine	<i>Grant of the Ukrainian National Academy of Sciences for young scientists (with Kostyantyn Yusenko)</i>	2009-2010
Ukraine	<i>Scholarship of the Ukrainian National Academy of Sciences for young scientists</i>	2007-2008
Germany	<i>Member of the DFG Project 436 UKR 113/78/0-1, University of Bonn</i>	2005-2007

Publications

Articles

- Volodymyr Tesko, *One generalization of the classical moment problem*, Methods Funct. Anal. Topology **17** (2011), no. 4, 356-380.
- Volodymyr Tesko, *Hilbert space-valued integral of operator-valued functions*, Confluentes Mathematici **2** (2010), no. 1, 135-157.
- N. A. Kachanovsky and V. A. Tesko, *Stochastic integral of Hitsuda-Skorohod type on the extended Fock space*, Ukrainian Math. J. **61** (2009), no. 6, 733-764.
- Yu. M. Berezansky and V. A. Tesko, *An approach to a generalization of white noise analysis*, Operator Theory: Advances and Application **190** (2009), 123-139.
- V. Tesko, *A stochastic integral of operator-valued functions*, Methods Funct. Anal. Topology **14** (2008), no. 2, 132-141.
- S. Albeverio, Yu. M. Berezansky, and V. Tesko, *A generalization of an extended stochastic integral*, Ukrainian Math. J. **59** (2007), no. 5, 645-677.
- Yu. M. Berezansky and V. A. Tesko, *Orthogonal approach to the construction of the theory of generalized functions of infinitely many variables and the Poisson analysis of white noise*, Ukrainian Math. J. **56** (2004), no. 12, 1885-1914.
- V. A. Tesko, *A construction of generalized translation operators*, Methods Funct. Anal. Topology **10** (2004), no. 4, 86-92.
- V. A. Tesko, *Spaces appearing in the construction of infinite-dimensional analysis according to the biorthogonal scheme*, Ukrainian Math. J. **56** (2004), no. 7, 1166-1181.
- Yu. M. Berezansky and V. A. Tesko, *Spaces of test and generalized functions related to generalized translation operators*, Ukrainian Math. J. **55** (2003), no. 12, 1907-1979.

Preprintes and Manuscripts

- V. A. Tesko, *Spaces of test and generalized functions in Problems of Infinite Dimensional Analysis*, PhD-thesis, Institute of Mathematics NAS of Ukraine, Kyiv, 2005, 121 p. (in Ukrainian).
- Yu. M. Berezansky and V. A. Tesko, *One generalization of an extended stochastic integral*, Preprint, Institute of Mathematics NAS of Ukraine, Kyiv, 2005, 34 p. (in Ukrainian).

Activities

Conferences and Schools

Ukraine		2010
Kyiv Ukraine	Humboldt Kolleg "Mathematics and life sciences: possibilities, interlacements and limits"	Aug 5-8 2010
Berlin Germany	VW Summer School 2010 "Infinite Dimensional Operator Matrices Theory and Applications"	Jul 5-9 2010
Kyiv Ukraine	Ukrainian Mathematical Congress – 2009 (dedicated to Nikolai N. Bogoliubov)	Aug 27-29 2009
Ivano-Frankivsk Ukraine	International Scientific Conference "Infinite Dimensional Analysis and Topology"	May 27 - Jun 1 2009
Timisoara Romania	22nd Conference in Operator Theory	Jul 3-7 2008
Lviv-Kozyova Ukraine	The Fifth Summer Schools "Algebra, Topology, Functional and Stochastic Analysis"	Aug 6-18 2007
Odessa Ukraine	International Conference "Modern Analysis and Application" (dedicated to Mark Krein)	May 27 - Jun 1 2007
Lviv-Kozyova Ukraine	The Fourth Summer Schools "Algebra, Topology, Functional and Stochastic Analysis"	Jul 17-29 2006
Kyiv Ukraine	International Conference "Modern Stochastics: Theory and Applications"	Jun 19-23 2006