Curriculum Vitae

Werner Linde

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1. Scientific Career

1970	Diplom in Mathematics (Dipl.-Math.), University of Jena
1973	PhD in Mathematics (Dr. rer. nat.), University of Jena
1977	Habilitation in Mathematics (Dr. rer. nat. habil.), University of Jena
1970-1978	Scientific Assistant, University of Jena
1978-1987	Assistant Professor of Analysis, University of Jena
1987-1992	Full Professor of Analysis, University of Jena,
1992-2013	Professor of Stochastic Analysis (C3), University of Jena
2005-2007	Dean of the Faculty for Mathematics and Computer Sciences
01.09.2013	Retirement
2013-2014	Lector at the University of Delaware in Newark (S-Contracts)
01.09.2014	Professor of instruction at the University of Delaware.

2. PhD-students

1980	Thomas Kühn	1980	Ralf Ulbricht	1983	Peter Mathe
1997	Thomas Dunker	1998	Bettina Bühler	2000	Natalya Gorn
2002	Jakob Creutzig	2006	Frank Aurzada	2007	Pia Zipfel
2008	Helga Schack	2012	Johannes Christof	2012	Oliver Kley

3. Research Interests

- Stochastic Processes
- Compactness properties of linear operators
- Approximation properties of operators and processes

4. Invited Talks

1998	*Asymptotic Methods in Probability and Statistics with Application*, St. Petersburg
1999	*Probability in Higher Dimensional Spaces II*, Seattle
2001	*Levy Processes*, Warwick
2001	*Levy Processes and its Applications*, Aarhus
2002	*Satellite Conference in Singapore*, Singapore
2003	*Small Deviations of Gaussian Processes*, Oberwolfach
2006	*DMV–Tagung*, Bonn
2006	*Metric Entropy*, Edinburgh
2007	*DMV–Tagung*, Berlin
2008	*Discrepancy and Small Deviation*, Palo Alto
2009	*Workshop on infinitely divisible processes*, Guanajuato, Mexico

5. Organisation of International Conferences

2001	*Stable Measures and Processes and its Applications*, Oberwolfach, together with J. Rosinski and G. Samorodnitsky
2003	*Small deviations of Gaussian processes*, Mini–workshop Oberwolfach, together with W. Li and M. A. Lifshits

6. Visiting Positions

1989	Universidad Autonoma de Madrid, 3 months
1990	University of Knoxville, 3 months
2003	Universite de Paris 6, 1 month
2005	Universite de Paris 6, 1 month
2008	Universite de Lille I, 1 month
2008	Universite de Paris 6, 1 month

7. Teaching Duties

2007 – 2013	Probability Theory for students in Computer Science, 2 hours
2007 & 2009	Measure Theory, 4 hours
2008 & 2012	Random Series, 4 hours
2009 – 2013	Elementary Probability Theory and Mathematical Statistics, 4 hours
2009	Stochastic Processes, 4 hours
2010	Brownian Motion, 4 hours
2011 & 2013	Topology and Measure, 2 hours
2013	MATH 302 and MATH 850, each 3 hours
2014	MATH 350 and MATH 829, twice 3 hours and 3 hours.

8. Important Publications

[1] **Linde, W.**: Probability in Banach spaces – Stable and infinitely divisible distributions. John Wiley & Sons, Chichester, New–York, Brisbane, Toronto, Singapore 1986. 195 pages.

[2] Li, W. V., **Linde, W.**: Existence of small ball constants for fractional Brownian motions. *C. R. Acad. Sci. Paris* **326** (1998), 1329–1334.

[3] Dunker, Th., Kühn, Th., Lifshits, M. A., **Linde, W.**: Metric entropy of integration operator and small ball probabilities for the Brownian sheet. *J. Approx. Theory* **101** (1999), 63–77.

[4] Li, W. V., **Linde, W.**: Approximation, metric entropy and small ball estimates for Gaussian measures. *Ann. Probab.* **27**, (1999) 1556–1578.

[5] Lifshits, M. A., **Linde, W.**: Approximation and entropy numbers of Volterra operators with application to Brownian motion. *Memoirs AMS* **745** (2002), 1–87.

[6] Kühn, T., **Linde, W.**: Gaussian approximation numbers with applications to fractional Brownian sheet. *Bernoulli* **8** (2002), 669–696.

[7] Belinsky, E., **Linde, W.**: Small ball probabilities of fractional Brownian sheets via fractional integration operators. *J. Theor. Probab.* **15** (2002), 589–612.

[8] Lifshits, M. A., **Linde, W.**, Shi, Z.: Small deviations of Riemann-Liouville processes in L_q spaces with respect to fractal measures. *Proc. Lond. Math. Soc.* **92** (2006), 224-250.

[9] Ayache, A., **Linde, W.**: Approximation of Gaussian random fields: General results and optimal wavelet representation of the Lévy fractional motion. *J. Theor. Probab.* **21** (2008), 69-96.

[10] **Linde, W.**: Non–determinism of linear operators and lower entropy estimates. *J. Fourier Anal. Appl.* **14** (2008), 568–587.

[11] **Linde, W.**, Zipfel, P.: Small deviation of subordinated processes over compact sets *Probab. Math. Stat.* **28** (2008), 281–304.

[12] Ayache, A., **Linde, W.**: Series representations of fractional Gaussian processes by trigonometric and Haar systems. *Electron. J. Probab.* **14** (2009), 2691–2719.

[13] Aurzada, F., Lifshits, M. A., **Linde, W.**: Small deviations of stable processes and entropy of the associated random operators. *Bernoulli* **15** (2009), 1305–1334.

[14] Lifshits, M. A., **Linde, W.**: Compactness properties of weighted summation operators on trees. *Studia Math.* **202** (2011), 17–47.

[15] Lifshits, M. A., **Linde, W.**: Random Gaussian sums on trees. *Electron. J. Probab.* **16** (2011), 739–763.

[16] Lifshits, M. A., **Linde, W.**: Compactness properties of weighted summation operators – the critical case. *Studia Math.* **206** (2011), 75–96.

[17] Lifshits, M. A., **Linde, W.**: Fractional integration operators of variable order: Continuity and compactness properties. *Math. Nachr.* (2014), 980–1000.

[18] **Linde, W.**: Stochastik für das Lehramt (Stochastics for Teaching Post). De Gruyter, Berlin 2014.