



Bielefeld University
Faculty of Mathematics
Prof. Dr. Michael Röckner

Workshop on

Potential Theoretical Methods for Infinite Dimensional Processes

9.8. – 11.8.2004

Bielefeld University, lecture hall 8

Timetable

	Monday	Tuesday	Wednesday
10^{30} – 11^{15}	V. Barbu	V.I. Bogachev	J. Lukes
11^{20} – 12^{05}	F. Russo	F.Y. Wang	W. Hansen
		— LUNCH —	
13^{30} – 14^{15}	A. Cornea	C. Marinelli	A. Teplyaev
14^{20} – 15^{05}	L. Beznea	E. Lütkebohmert	V. Metz
		— COFFEE —	
15^{40} – 16^{25}	N. Boboc	G. Galperin	M. Gordina
16^{30} – 17^{15}	G. Bucur	G. Trutnau	T. Melcher
17^{20} – 18^{05}	M. Röckner	P. Lescot	Y. Kositzky
18^{10} – 18^{40}	K. El Mabrouk		

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Monday, August 9, 2004

- 10³⁰–11¹⁵ VIOREL BARBU (Iasi)
The Neumann Problem on Unbounded Domains and Stochastic Variational Inequalities
- 11²⁰–12⁰⁵ FRANCESCO RUSSO (Paris)
Time-Inhomogeneous Stochastic Differential Equations and Weak Dirichlet Processes
- LUNCH —
- 13³⁰–14¹⁵ AUREL CORNEA (Eichstätt)
Applications of Controlled Convergence in Analysis
- 14²⁰–15⁰⁵ LUCIAN BEZNEA (Bukarest)
Tightness of Capacities Associated with Sub-Markovian Resolvents
- COFFEE —
- 15⁴⁰–16²⁵ NICU BOBOC (Bukarest)
Hitting Distributions Domination and Subordonate Resolvents. An Analytic Approach I
- 16³⁰–17¹⁵ GHEORGHE BUCUR (Bukarest)
Hitting Distributions Domination and Subordonate Resolvents. An Analytic Approach II
- 17²⁰–18⁰⁵ MICHAEL RÖCKNER (Bielefeld)
Strong Solutions of Stochastic Equations with Singular Time Dependent Drift
- 18¹⁰–18⁴⁰ KHALIFA EL MABROUK (Bielefeld)
Nonradial Large Solutions of Semilinear Elliptic Equations

Tuesday, August 10, 2004

10³⁰–11¹⁵ VLADIMIR I. BOGACHEV (Moskau)
Gradient Bounds for Solutions of Elliptic Equations

11²⁰–12⁰⁵ FENG-YU WANG (Peking)
Functional Inequalities for Finite Particle Systems

— LUNCH —

13³⁰–14¹⁵ CARLO MARINELLI (Bonn)
Term Structure Models and Generalized Mehler Semigroups

14²⁰–15⁰⁵ EVA LÜTKEBOHMERT (Bonn)
An Asymptotic Expansion for the Black-Scholes Model with Generalized Volatility

— COFFEE —

15⁴⁰–16²⁵ GREGORY GALPERIN (Charleston, Illinois)
The Uncertainty Principle for Polygonal Billiards

16³⁰–17¹⁵ GERALD TRUTNAU (Paris)
Skorohod Decomposition of Reflected Diffusions on Bounded Lipschitz Domains with Singular Non-Reflection Part

17²⁰–18⁰⁵ PAUL LESCOT (Saint Quentin)
Algebraic and Geometrical Aspects of Diffusions in Euclidean Quantum Mechanics

Wednesday, August 11, 2004

- 10³⁰–11¹⁵ JAROSLAV LUKES (Prag)
On the Bair Class of Solutions of the Dirichlet Problem
- 11²⁰–12⁰⁵ WOLFHARD HANSEN (Bielefeld)
Restriction of Riesz Potentials on Fractal Sets
- LUNCH —
- 13³⁰–14¹⁵ ALEXANDER TEPLYAEV (Storrs, Connecticut)
Analysis on the Sierpinski Gasket
- 14²⁰–15⁰⁵ VOLKER METZ (Bielefeld)
Gluing Dirichlet Forms of Different Fractals
- COFFEE —
- 15⁴⁰–16²⁵ MARIA GORDINA (Storrs, Connecticut)
Heat Kernel Analysis and Riemannian Geometry on Some Infinite
Dimensional Lie Groups
- 16³⁰–17¹⁵ TAI MELCHER (Berkeley, California)
Hypoelliptic Heat Kernel Inequalities on Lie Groups
- 17²⁰–18⁰⁵ YURI KOZITSKY (Lublin)
Irreducible Dynamics of Quantum Systems Associated with Levy
Processes