Joint International Meeting of the German Mathematical Society and the Romanian Mathematical Society

Constanța, September 16-19, 2017

List of talks

Viorel Barbu: Controllability of stochastic differential equations

Gebhard Böckle: Compatible systems of Galois representations of global function fields

Siegfried Böcherer: Quasimodular Siegel modular forms as p-adic modular forms

Mircea Cimpoeaş: A class of square-free monomial ideals associated to two integer sequences

Mihai Cipu: Computer-aided solution of a Diophantine equation

Iulian Cîmpean: On the nonlinear Schrodinger equation with white noise dispersion on graphs

Diana Conache: One-sided versus two-sided. A perspective via examples

Stephan Ehlen: The modular completion of certain (formal) generating series

Viviana Ene: Koszul binomial edge ideals

Torben Fattler: Analysis of the stochastic quantization for a fractional polymer measure

Jens Funke: Indefinite theta series

Valentin Grecea: On generating Hardy spaces of martingales

Martin Grothaus: Weak Poincaré inequalities for convergence rate of degenerate diffusion processes

Jonas Kaszian: Some Indefinite Theta Functions of Signature (1,3) and (1,2)

Yuri Kozitsky: Solving Fokker-Planck equations for infinite continuum particle systems

Jürg Kramer: An arithmetic Riemann–Roch theorem on modular curves via heat kernel regularization

Ulf Kühn: On multiple q-zeta values and period polynomials

Yingkun Li: Harmonic Maass forms associated to real quadratic fields

Răzvan Liţcanu: On the arithmetic Grothendieck Riemann Roch Theorem

Katharina von der Lühe: Pathwise uniqueness for SDEs with singular drift and nonconstant diffusion

Oana Lupaşcu: Stochastic equation of fragmentation and branching processes related to avalanches

Gabriela Marinoschi: Rescaling approach for population dynamics equation perturbed by a linear multiplicative noise

Andreea Mocanu: Level raising operators for Jacobi forms of lattice index

Florin Nicolae: On Artin's L-functions

Andreas Nonnenmacher: Essential M-dissipativity of the generator of a generalized stochastic Hamiltonian system and its scaling limit

Andrei-George Oprina: Perturbation with kernels of Markovian resolvents

Mihai Pascu: Generalizations of two classical results in Analysis

Vicenţiu Paşol: Character sums and multiple Dirichlet series

Anna von Pippich: An arithmetic Riemann-Roch theorem on modular curves via zeta regularization

Cristian Popescu: On a conjecture of Gross on special values of L-functions

Dorin Popescu: Constructive solutions for polynomial equations over formal power series rings

Ionel Popescu: Optimal alignment of random strings and Tracy-Widom distribution

Florin Rădulescu: Operators algebras and endomorphisms of spaces of invariant vectors under a discrete group

Max von Renesse: Coagulating fragmentating Wasserstein dynamics on the real line

Michael Röckner: Quasi-linear (stochastic) partial differential equations with time-fractional derivatives

Markus Schwagenscheidt: Kronecker limit formulas for parabolic, hyperbolic and elliptic Eisenstein series via Borcherds products

Emil Simion: Improvements of NIST statistical tests and applications to Cryptology

Andreas Steenpass: Classification and moduli spaces of real and complex singularities

Ludwig Streit: Automorphisms generated by umbral calculus on a nuclear space of entire test functions

Doru Ştefănescu: Efficiency of bounds for positive polynomial roots

Marius Vlădoiu: Binomial fibers and indispensable binomials

Speranţa Vlădoiu: Markov processes associated to resistance forms

Simon Wittmann: Approximation of interface models with delta-pinning by non-locally pinned models in the sense of Mosco

Michael Woodbury: The triple product L-function: formulas and applications

Don Zagier: From knots to algebraic numbers