

**Schedule: Tuesday February 23rd**

**ZiF Bielefeld**

- 9:00 – 9:45 **Sun-Sig Byun** (SNU)  
Recent advances in regularity estimates for double phase problems with non-standard growth
- 9:45 – 10:30 **Lars Diening** (Osnabrück University)  
Nonlinear Calderon-Zygmund theory
- 10:30 – 10:50 **Coffee Break**
- 10:50 – 11:35 **Alexander Grigor'yan** (Bielefeld)  
Heat kernel on manifolds with ends
- 11:35 – 12:20 **Ki-Ahm Lee** (SNU)  
Homogenizations theory of nonlinear partial differential equations
- 12:20 – 13:30 **Lunch Break**
- 13:30 – 14:15 **Barbara Niethammer** (Bonn)  
Self-similarity in Smoluchowski's coagulation equation
- 14:15 – 15:00 **Yuri Kondratiev** (Bielefeld)  
Fractional kinetics for continuous systems
- 15:00 – 15:30 **Coffee Break**
- 15:30 – 16:15 **Michael Hinz** (Bielefeld)  
Time-dependent perturbations of symmetric diffusions
- 16:15 – 17:00 **Gerald Trutnau** (SNU)  
Recurrence criteria for generalized Dirichlet forms
- 17:00 – 17:45 **Ionut Munteanu** (Iasi)  
The total variation flow perturbed by gradient linear multiplicative noise

## Schedule: Wednesday February 24th

### ZiF Bielefeld

9:00 – 9:45 **Friedrich Götze** (Bielefeld)  
Convergence rate of expected and random spectra in 4+ moment Wigner ensembles

9:45 – 10:30 **Nam-Gyu Kang** (KIAS)  
Gaussian Free Field, Conformal Field Theory, and Schramm-Loewner Evolution

10:30 – 10:50 **Coffee Break**

10:50 – 11:35 **Ji Oon Lee** (KAIST)  
Fluctuation of the Free energy in Spherical Spin Glass

11:35 – 12:20 **Mario Kieburg** (Bielefeld)  
Harmonic Analysis meets Random Matrix Theory: A Relation between Eigenvalue & Singular Value Statistics

12:20 – 13:30 **Lunch Break**

13:30 – 14:15 **Sanghyuk Lee** (SNU)  
Stability of the Brascamp-Lieb inequalities and applications

14:15 – 15:00 **Soonsik Kwon** (KAIST)  
Normal form approach to global well-posedness of quadratic derivative nonlinear Schrödinger equation.

15:00 – 15:30 **Coffee Break**

15:30 – 16:15 **Timothy Candy** (Bielefeld)  
Null Frames and the Cubic Dirac equation

16:15 – 17:00 **Matteo Bonforte** (Universidad Autonoma de Madrid)  
Nonlinear and Nonlocal Degenerate Diffusions on Bounded Domains

17:00 – 17:45 **Panki Kim** (SNU)  
Estimates of Dirichlet heat kernel for symmetric Markov processes